INTERNATIONAL CHRONOSTRATIGRAPHIC CHART

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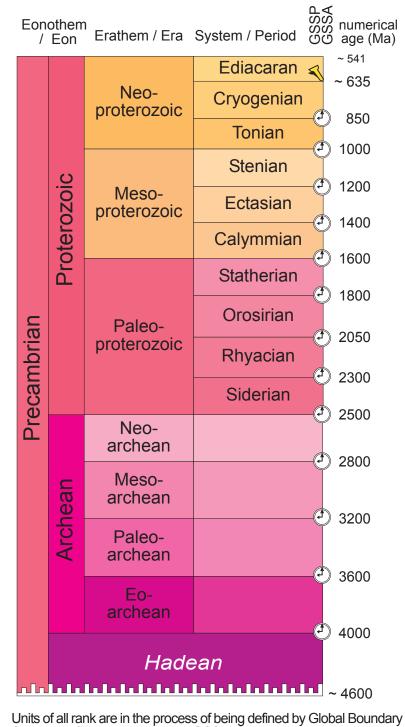
International Commission on Stratigraphy



\$00°	(94,04) E/34	System	Series / Epoch	Stage / Age	GSSP	numerical age (Ma)			
		>	Holocene		<	present			
		اهر		Upper		0.0117 0.126			
		eL	Disists	Middle		0.781			
		Quaternary	Pleistocene	Calabrian	<	1.806			
		Ø		Gelasian	<	2.588			
			Pliocene	Piacenzian	<	3.600			
			1 HOOCHC	Zanclean	1	5.333			
		Je		Messinian	1	7.246			
		Neogene		Tortonian	<	11.62			
		9 9	NA:	Serravallian	1	13.82			
	<u>S</u>	Ž	Miocene	Langhian		15.02			
)Z(Burdigalian					
	Cenozoic			Aquitanian	<	20.44			
	Ö			Chattian		23.03			
			Oligocene			28.1			
			Rupelian	1	33.9				
		Paleogene		Priabonian					
			Eocene	Bartonian		38.0 41.3			
oj.				Lutetian	1	11.0			
anerozoic				Ypresian	<u> </u>	47.8 56.0			
				Thanetian	<	59.2			
P							Paleocene	Selandian	<
				Danian	<				
				Maastrichtian	<	66.0 72.1 ±0.2			
				Campanian		83.6 ±0.2			
			Upper	Santonian		86.3 ±0.5			
				Coniacian		89.8 ±0.3			
	<u>ပ</u>	SI		Turonian	<	93.9			
	Mesozoic	Seou		Cenomanian	<	100.5			
		Cretaceous		Albian		~ 113.0			
		Ō		Aptian		~ 125.0			
				Barremian					
			Lower	Hauterivian		~ 129.4			
						~ 132.9			
				Valanginian		~ 139.8			
				Berriasian		~ 145.0			

Upper Kimmeridgian 152.1 ±0.5 157.3 ±1.0 166.1 ±1.2 168.3 ±1.0 166.1 ±1.2 168.3 ±1.0 166.1 ±1.2 168.3 ±1.0 166.1 ±1.2 168.3 ±1.0 166.1 ±1.2 168.3 ±1.0 166.1 ±1.2 168.3 ±1.0 168.3	£000	Erathen	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Sei	ries / Epoch	Stage / Age	GSSP	numerical age (Ma)
Upper Kimmeridgian 157.3 ±1.0 163.5 ±1.0 166.1 ±1.2 168.3 ±1.3 170.3 ±1.4 170.3						Tithonian		145.0 ± 0.8
Callovian 163.5 ±1.0					Upper	Kimmeridgian		
Callovian Bathonian 163.5 ± 1.0 166.1 ± 1.2 166.1 ± 1.2 166.1 ± 1.2 17.3 ± 1.2 17.						Oxfordian		157.3 ±1.0
Middle Bathonian 168.3 ±1.2 170.3 ±1.4 170.3			ပ			Callovian	_	163.5 ±1.0 166.1 ±1.2
Carnian 182.7 ±0.7 190.8 ±1.0 190.8			SSi		Middle		3	168.3 ±1.3
Carnian 182.7 ±0.7 190.8 ±1.0 190.8			La			_	<	
Lower Sinemurian 190.8 ±1.0 Sinemurian 190.8 ±1.0 Sinemurian 199.3 ±0.3 201.3 ±0.3 Rhaetian ~ 208.5 Carnian ~ 228 Carnian ~ 235 Ladinian ~ 247.2 252.17 ±0 254.14 ±0 259.8 ±0.4 Capitanian ~ 265.1 ±0.4 268.8 ±0.5 269.0 ±0.7 298.9 ±0.7 303.7 ±0.7 307.0 ±			7			Toarcian		
Carnian Changhsingian Capitanian Cap		<u>S</u>			Lower	Pliensbachian	_	182.7 ±0.7
Carnian Changhsingian Capitanian Cap		OZO			Lower			190.8 ±1.0
Carnian Changhsingian Capitanian Cap		les					3	199.3 ±0.3
Upper Norian ~ 228 Carnian ~ 235 ~ 242 Anisian Lower Olenekian Induan Changhsingian Wuchiapingian Wuchiapingian Wordian Guadalupian Kungurian Roadian Kungurian Sakmarian Artinskian Sakmarian Postorial Sakmarian Asselian Sakmarian Postorial Wupper Gzhelian Kasimovian Middle Moscovian Middle Moscovian Lower Bashkirian 323.2 ±0.4 330.9 ±0.2 Middle Visean Wisean A66.7 ±0.4		2						201.3 ±0.2
Carnian Collenekian Induan Changhsingian Wuchiapingian Capitanian Capitanian Canidan Canidan Collenekian Induan Collenekian Changhsingian Wordian Capitanian Collenekian Wuchiapingian Collenekian Collenekian Changhsingian Collenekian Collenekian Wuchiapingian Collenekian Collenekian Collenekian Collenekian Wuchiapingian Collenekian Collenekian Collenekian Collenekian Collenekian Wuchiapingian Collenekian Collen						Miacuan		~ 208.5
Middle Anisian Lower Lower Lopingian Changhsingian Wuchiapingian Coapitanian Wordian Roadian Roadian Artinskian Sakmarian Asselian Asselian Sakmarian Asselian Widdle Middle Moscovian Middle Moscovian Lower Middle Moscovian Middle Visean Middle Visean Actinalian Asselian Asselian Wordian Cisuralian Sakmarian Asselian Wordian Coapitanian Coapitanian Artinskian Coapitanian Coapita			ပ		Upper	Norian		
Middle Anisian Lower Lower Lopingian Changhsingian Wuchiapingian Coapitanian Wordian Roadian Roadian Artinskian Sakmarian Asselian Asselian Sakmarian Asselian Widdle Middle Moscovian Middle Moscovian Lower Middle Moscovian Middle Visean Middle Visean Actinalian Asselian Asselian Wordian Cisuralian Sakmarian Asselian Wordian Coapitanian Coapitanian Artinskian Coapitanian Coapita			SSi					~ 228
Middle Anisian Lower Lower Lopingian Changhsingian Wuchiapingian Coapitanian Wordian Roadian Roadian Artinskian Sakmarian Asselian Asselian Sakmarian Asselian Widdle Middle Moscovian Middle Moscovian Lower Middle Moscovian Middle Visean Middle Visean Actinalian Asselian Asselian Wordian Cisuralian Sakmarian Asselian Wordian Coapitanian Coapitanian Artinskian Coapitanian Coapita			<u>-</u>			Carnian	<	~ 235
Capitanian Wordian Wordian Roadian Wungurian Wungurian Wungurian Roadian Roadi	<u>ပ</u>			Middle	Ladinian	<		
Capitanian Wordian Wordian Roadian Wungurian Wungurian Wungurian Roadian Roadi	020				Middle			247.2
Capitanian Wordian Wordian Roadian Wungurian Wungurian Wungurian Roadian Roadi	9				Lower		<	251.2
Capitanian Wordian Wordian Roadian Wungurian Wungurian Wungurian Roadian Roadi	an			1,	oningian			254.14 ±0.07
Guadalupian Roadian Roadian Roadian Wingurian Roadian Artinskian Sakmarian Asselian Sakmarian Asselian Wordian 268.8 ±0.8 272.3 ±0.8 283.5 ±0.6 Asselian Sakmarian Asselian Sakmarian Asselian Middle Moscovian Middle Moscovian Serpukhovian Middle Visean Wordian 268.8 ±0.8 272.3 ±0.8 283.5 ±0.6 298.9 ±0.7 303.7 ±0.7 307.0	Ph				Spirigian		<	259.8 ±0.4
Roadian Kungurian 272.3 ±0.8 283.5 ±0.6 Artinskian Sakmarian Asselian Sakmarian 295.0 ±0.7 298.9 ±0.7 Sakmarian Middle Moscovian Lower Bashkirian 303.7 ±0.7 307.0 ±0.7 315.2 ±0.2 Widdle Visean Widdle Visean 346.7 ±0.4						•	<	265.1 ±0.4
Cisuralian Sakmarian 290.1 ±0.2 298.9 ±0.2 298.9 ±0.2 Sakmarian Artinskian 295.0 ±0.2 298.9 ±0.2 Sakmarian Asselian Sakmarian Sakmarian 295.0 ±0.2 298.9 ±0.2 Sakmarian 303.7 ±0.2 307.0 ±0.2 Middle Moscovian Serpukhovian 323.2 ±0.2 330.9 ±0.2 Middle Visean 346.7 ±0.2			ian	Gu	adalupian		1	268.8 ±0.5
Cisuralian Sakmarian 290.1 ±0.2 298.9 ±0.2 298.9 ±0.2 Sakmarian Artinskian 295.0 ±0.2 298.9 ±0.2 Sakmarian Asselian Sakmarian Sakmarian 295.0 ±0.2 298.9 ±0.2 Sakmarian 303.7 ±0.2 307.0 ±0.2 Middle Moscovian Serpukhovian 323.2 ±0.2 330.9 ±0.2 Middle Visean 346.7 ±0.2			Ē				<u> </u>	272.3 ±0.5
Sakmarian 290.1 ±0.2 290.1 ±0.2 295.0 ±0.2 298.9 ±0.2 298.9 ±0.2 298.9 ±0.2 298.9 ±0.2 298.9 ±0.2 298.9 ±0.2 307.0 ±0.2 307.0 ±0.2 303.7 ±0.2 307.0 ±0.2 303.7 ±0.2 303.7 ±0.2 303.7 ±0.2 303.7 ±0.2 303.7 ±0.2 303.2 ±0.2 303.9 ±0.2 303.9 ±0.2			Pe			Kungurian		283.5 ±0.6
Sakmarian Asselian 295.0 ±0.7 298.9 ±0.7 298.9 ±0.7 303.7 ±0.7 307.0 ±0.7 Middle Moscovian Lower Bashkirian 323.2 ±0.2 330.9 ±0.2 346.7 ±0.4				С	isuralian	Artinskian		290 1 +0 26
Middle Moscovian 315.2 ±0.2 Lower Bashkirian 323.2 ±0.2 Upper Serpukhovian 330.9 ±0.2 Widdle Visean 346.7 ±0.4		Si				Sakmarian		
Middle Moscovian 315.2 ±0.2 Lower Bashkirian 323.2 ±0.2 Upper Serpukhovian 330.9 ±0.2 Widdle Visean 346.7 ±0.4		OZC				Asselian	<	298.9 ±0.15
Middle Moscovian 315.2 ±0.2 Lower Bashkirian 323.2 ±0.2 Upper Serpukhovian 330.9 ±0.2 Widdle Visean 346.7 ±0.4		ale		ian	Upper			303.7 ±0.1
Upper Serpukhovian 330.9 ±0.2 Widdle Visean 346.7 ±0.4		<u>a</u>	w	Ivar				307.0 ±0.1
Upper Serpukhovian 330.9 ±0.2 Widdle Visean 346.7 ±0.4			no	nsy	Middle	Moscovian		315.2 ±0.2
346.7 ±0.4			ifer	Pen	Lower	Bashkirian	<	323.2 ±0.4
346.7 ±0.4			oc	an	Upper	Serpukhovian		
Lower Tournaisian			Cark	issippis	Middle	Visean	~	
				Miss	Lower	Tournaisian	<u> </u>	

4000	Eratt	System	Series / Epoch	Stage / Age	GSSP	numerical age (Ma)				
			Upper	Famennian	<	358.9 ± 0.4				
		Z.		Frasnian	~	372.2 ±1.6 382.7 ±1.6				
		onia	NA: al all a	Givetian	4	387.7 ±0.8				
		Devonian	Middle	Eifelian	4	393.3 ±1.2				
				Emsian	\ \					
			Lower	Pragian	3	407.6 ±2.6 410.8 ±2.8				
				Lochkovian	<	419.2 ±3.2				
			Pridoli		<	423.0 ±2.3				
			Ludlow	Ludfordian	1	425.0 ±2.3 425.6 ±0.9				
		Silurian		Gorstian	1	427.4 ±0.5				
		U	Wenlock	Homerian Sheinwoodian	3	430.5 ±0.7				
		Si		Telychian		433.4 ±0.8				
			Llandovery	Aeronian	<u> </u>	438.5 ±1.1				
<u>0</u>				Rhuddanian	3	440.8 ±1.2				
20	oic	5		Hirnantian	<	443.4 ±1.5 445.2 ±1.4				
nerozoic	eozoic		Upper	Katian	<	453.0 ±0.7				
Phar)al		Pal	ian	ian		Sandbian	<		
П		Ordovicia	Middle	Darriwilian	<	458.4 ±0.9 467.3 ±1.1				
			Ord		Dapingian	1	470.0 ±1.4			
				O	O		O	O	Lower	Floian
				Tremadocian	4	405 4 14 0				
				Stage 10		485.4 ±1.9				
			Furongian	Jiangshanian	<u> </u>	~ 489.5				
				Paibian	3	~ 494				
				Guzhangian	<<	~ 497				
			Series 3	Drumian	<u> </u>	~ 500.5				
		oria		Stage 5		~ 504.5				
		Cambrian		Stage 4		~ 509				
		Ö	Series 2	Stage 3		~ 514				
				Stage 2		~ 521				
			Terreneuvian	Fortunian	_	~ 529				
					1	541.0 ±1.0				



Units of all rank are in the process of being defined by Global Boundary Stratotype Section and Points (GSSP) for their lower boundaries, including those of the Archean and Proterozoic, long defined by Global Standard Stratigraphic Ages (GSSA).

Charts and detailed information on ratified GSSPs are available at the website http://www.stratigraphy.org

Numerical ages are subject to revision and do not define units in the Phanerozoic and the Ediacaran; only GSSPs do. For boundaries in the Phanerozoic without ratified GSSPs or without constrained numerical ages, an approximate numerical age (~) is provided.

Numerical ages for all systems except Triassic, Cretaceous and Precambrian are taken from 'A Geologic Time Scale 2012' by Gradstein et al. (2012); those for the Triassic and Cretaceous were provided by the relevant ICS subcommissions.



Coloring follows the Commission for the Geological Map of the World. http://www.ccgm.org

Chart drafted by K.M. Cohen, S. Finney, P.L. Gibbard (c) International Commission on Stratigraphy, January 2013

			Holocene (0/5/10/0)		(0/5/5/0)
		ary 3	(0.0.10.0)	Upper	(0/5/15/0)
		ern 3/50/(Pleistocene	Middle	(0/5/20/0)
		Quaternary (0/0/50/0)	(0/5/35/0)	Calabrian	(0/5/25/0)
		O		Gelasian	(0/5/30/0)
		<u>(</u>	Pliocene	Piacenzian	(0/0/25/0)
		0/06	(0/0/40/0)	Zanclean	(0/0/30/0)
	0	(0/10/90/0		Messinian	(0/0/55/0)
	06	0/1		Tortonian	(0/0/60/0)
	0/06/0/9)		Miocene (0/0/100/0)	Serravallian	(0/0/65/0)
		Veogene	(0/0/100/0)	Langhian	(0/0/70/0)
	0 i c	leo		Burdigalian	(0/0/75/0)
6	N	_		Aquitanian	(0/0/80/0)
ozoic (40/0/5/0)	Ceno		Oligocene	Chattian	(0/10/30/0)
0/04	(P	(0/40/60/0)	(0/25/45/0)	Rupelian	(0/15/35/0)
2)	O)9/(Eocene (0/30/50/0)	Priabonian	(0/20/30/0)
) i 0)/40		Bartonian	(0/25/35/0)
2 0		0) €		Lutetian	(0/30/40/0)
<u></u>		ene		Ypresian	(0/35/45/0)
o U		Sog	Palaccana	Thanetian	(0/25/50/0)
۵		Paleogene	Paleocene (0/35/55/0)	Selandian	(0/25/55/0)
Phane		ш		Danian	(0/30/55/0)
				Maastrichtian	(5/0/45/0)
				Campanian	(10/0/50/0)
	0/0	(0)	Upper	Santonian	(15/0/55/0)
	(60/0/10/0	(20/0/12/0)	(35/0/75/0)	Coniacian	(20/0/60/0)
	30/(0/0		Turonian	(25/0/65/0)
	9	(5)		Cenomanian	(30/0/70/0)
) i C	Sn		Albian	(20/0/40/0)
	sozoic	Cretaceous		Aptian	(25/0/45/0)
	S 0	stac	Lower	Barremian	(30/0/50/0)
	മ	Cre	(45/0/70/0)	Hauterivian	(35/0/55/0)
	Σ			Valanginian	(40/0/60/0)
				Berriasian	(45/0/65/0)

			•			
					Tithonian	(15/0/0/0)
				Upper 0/0/0/0)	Kimmeridgian	(20/0/0/0)
		<u></u>			Oxfordian	(25/0/0/0)
		(80/0/2/0			Callovian	(25/0/5/0)
		0/0	ı	Middle	Bathonian	(30/0/5/0)
	0	8	(5	0/0/5/0)	Bajocian	(35/0/5/0)
	(60/0/10/0)	Sic			Aalenian	(40/0/5/0)
	0/0	Jurassic			Toarcian	(40/5/0/0)
		n n		Lower	Pliensbachian	(50/5/0/0)
	<u>.</u>		(7:	5/5/0/0)	Sinemurian	(60/5/0/0)
	0 Z				Hettangian	(70/5/0/0)
	0	<u> </u>			Rhaetian	(10/25/0/0)
6	e S	0/0/	(25	Upper 5/40/0/0)	Norian	(15/30/0/0)
/2/	≥	(20/80/0/0)			Carnian	(20/35/0/0)
0/0		20/	Middle	Middle	Ladinian	(20/45/0/0)
7))	(30	0/55/0/0)	Anisian	(25/50/0/0)
. <u> </u>		assic		Lower	Olenekian	(30/65/0/0)
zoic (40/0/5/0)		T	(40	0/75/0/0)	Induan	(35/70/0/0)
r 0			Lopingian		Changhsingia	n(0/25/20/0)
n e		0	(0/)/35/30/0)	Wuchiapingia	n (0/30/25/0)
Ø		(9/22/22/9)			Capitanian	(0/40/35/0)
Ph		75/		adalupian (55/50/0)	Wordian	(0/45/40/0)
	0/0	(2)	(0.00.00.0)		Roadian	(0/50/45/0)
	(40/10/40/0)	an L			Kungurian	(10/45/40/0)
	0/1	Permian	Ci	suralian	Artinskian	(10/50/45/0)
	4	Per	(5/	(65/60/0)	Sakmarian	(10/55/50/0)
	<u></u>				Asselian	(10/60/55/0)
	0 Z	(0/0	1an 0)	Upper	Gzhelian	(20/10/15/0)
	0	5/3	1van 1/20/	(25/10/20/0)	Kasimovian	(25/10/15/0)
	<u>—</u>	60/1	ennsylvaniar (40/10/20/0)	Middle (35/10/20/0)	Moscovian	(30/10/20/0)
	Ра) sn	д Р <u>4</u>	Lower (45/10/20/0)	Bashkirian	(40/10/20/0)
		ifero	ippian 55/0)	Upper (30/15/55/0)	Serpukhovian	(25/15/55/0)
		Carboniferous (60/15/30)	ssissippi 0/25/55/	Middle (40/15/55/0)	Visean	(35/15/55/0)
		Car	Miss (60/	Lower (50/15/55/0)	Tournaisian	(45/15/55/0)
				10.00.0)		

		2/0	Upper	Famennian (5/5/20/0)										
		3//	(5/10/35/0)	Frasnian (5/5/30/0)										
		(20/40/75/0	Middle	Givetian (5/10/45/0)										
		(20	(5/20/55/0)	Eifelian (5/15/50/0)										
		ian		Emsian (10/15/50/0)										
		Devonian	Lower (10/30/65/0)	Pragian (10/20/55/0)										
		De		Lochkovian (10/25/60/0)										
			Pridoli (10/0/10/0)	(10/0/10/0)										
		(0/9	Ludlow	Ludfordian (15/0/10/0)										
		(30/0/25/0)	(25/0/15/0)	Gorstian (20/0/10/0)										
		0/0	Wenlock	Homerian (20/0/15/0)										
6	((30/0/20/0)	Sheinwoodian (25/0/20/0)										
i c (40/0/5/0	(40/10/40/0	ian		Telychian (25/0/15/0)										
0/0	7/4	Silurian	Llandovery (40/0/25/0)	Aeronian (30/0/20/0)										
4)/1		,	Rhuddanian (35/0/25/0)										
	4	(0/09/	Upper (50/0/40/0)	Hirnantian (35/0/30/0)										
0 Z	၁			Katian (40/0/35/0)										
	Z 0	0/00	(0000000)	Sandbian (45/0/40/0)										
a)	0	Ordovician (1	ician (1	ician (1	ician (1	cian (1	cian (1	cian (1	cian (1	cian (1	cian (1	cian (1	Middle	Darriwilian (55/0/35/0)
で −	<u>—</u>												ciar	ciar
_	ד מ		Lower	Floian (75/0/45/0)										
			(90/0/60/0)	Tremadocian (80/0/50/0)										
						Stage 10 (10/0/20/0)								
		()	Furongian (30/0/40/0)	Jiangshanian(15/0/25/0)										
		(50/20/65/0)	(30/0/10/0)	Paibian (20/0/30/0)										
		50/6		Guzhangian (20/5/30/0)										
		2/09	Series 3 (35/5/45/0)	Drumian (25/5/35/0)										
			(00/0/10/0)	Stage 5 (30/5/40/0)										
		Sambrian	Series 2	Stage 4 (30/10/40/0)										
		nbr	(40/10/50/0)	Stage 3 (35/10/45/0)										
		Car	Terreneuvian	Stage 2 (35/15/45/0)										
)	(45/15/55/0)	Fortunian (40/15/50/0)										
				1 ortainair (40/15/50/0)										

		Neo-	Ediacaran	(0/15/55/0)
	(0,	proterozoic	Cryogenian	(0/20/60/0)
	35/	(0/30/70/0)	Tonian	(0/25/65/0)
	(0/80/32/0	Meso-	Stenian	(0/15/35/0)
	(0)	proterozoic	Ectasian	(0/20/40/0)
(0/	oj.	(0/30/55/0)	Calymmian	(0/25/45/0)
n (0/75/30/0)	Proterozoic		Statherian	(0/55/10/0)
75	ter	Paleo-	Orosirian	(0/60/15/0)
(0)	20	proterozoic (0/75/30/0)	Rhyacian	(0/65/20/0)
			Siderian	(0/70/25/0)
bria	(0/0	Neoarchean (0/40/5/0)		(0/35/5/0)
cam	0/100/00	Mesoarchean (0/60/5/0)		(0/50/5/0)
Pre)	Paleoarchean (0/75/0/0)		(0/60/0/0)
	Archean	Eoarchean (10/100/0/0)		(5/90/0/0)
		Hadean	(30/100/	0/0)

CYMK COLOR CODE

The CMYK color code is an additive model with percentages of Cyan, Magenta, Yellow and Black. For example: the CMYK color for Devonian (20/40/75/0) is a mixture of 20% Cyan, 40% Magenta, 75% Yellow and 0% Black.

The CMYK values are the primary reference system for designating the official colors for these geological units.

The CMYK color code gives the official values only for Cyan (C), Magenta (M) and Yellow (Y).

Users may adapt the codes to other purposes by adjusting the K (grayness) value to obtain a modified hue. This option allows a flexible use of this reference system.

The conversion from the reference CMYK values to the RGB codes utilizes Adobe® Illustrator® CS3's color function of "Emulate Adobe® Illustrator® 6.0" (menu Edit / Color Settings / Settings).

			Holocene 254/242/224	254/242/236					
		ary 127		Upper 255/242/211					
		uaternar 9/249/12	Pleistocene	Middle 255/242/199					
		Qua 49/2	255/242/162	Calabrian 255/242/186					
		~		Gelasian 255/242/174					
		2	Pliocene	Piacenzian 255/255/191					
	<u></u>	0/2	255/255/153	Zanclean 255/255/179					
	242/249/29	255/230/25		Messinian 255/255/115					
	/24	255		Tortonian 255/255/102					
	42		Miocene	Serravallian 255/255/89					
		ene	255/255/0	Langhian 255/255/77					
221	. <u>-</u>	Neogene		Burdigalian 255/255/65					
54/217/221	0 Z	Se		Aquitanian 255/255/51					
./21	0 U	2	Oligocene	Chattian 254/230/170					
154	Φ	1/8	253/192/122	Rupelian 254/217/154					
`	S	15	15	15	53/154/82		Priabonian 253/205/161		
<u>-</u>		53/	Eocene	Bartonian 253/192/145					
2 O							2	253/180/108	Lutetian 252/180/130
o O					ene		Ypresian 252/167/115		
n e			Paleogen		Thanetian 253/191/111				
a				a e	Paleocene 253/167/95	Selandian 254/191/101			
Ph		Ф		Danian 253/180/98					
_				Maastrichtian 242/250/140					
	02			Campanian 230/244/127					
	7/2	/78	Upper	Santonian 217/239/116					
	103/197/202	98	166/216/74	Coniacian 204/233/104					
		127/198/78		Turonian 191/227/93					
		12		Cenomanian 179/222/83					
	. <u>-</u>	SI		Albian 204/234/151					
	Z 0	Cretaceous		Aptian 191/228/138					
	0 8	tac	Lower	Barremian 179/223/127					
	Φ	Cre	140/205/87	Hauterivian 166/217/117					
	Σ			Valanginian 153/211/106					
				_					

Berriasian 140/205/96

					Tithonian	217/241/247								
				Jpper /227/238	Kimmeridgian	204/236/244								
		201	179	12211230	Oxfordian	191/231/241								
	7	7/8/			Callovian	191/231/229								
	20	52/178/201	N	Middle	Bathonian	179/226/227								
	103/197/202	52	128	/207/216	Bajocian	166/221/224								
	3/1	Sic			Aalenian	154/217/221								
	10	Jurassic			Toarcian	153/206/227								
		Jul	l	_ower	Pliensbachian	128/197/221								
	o i c		66	/174/208	Sinemurian	103/188/216								
	2 C				Hettangian	78/179/211								
221	s o	16			Rhaetian	227/185/219								
1/2	മ	3/14		Jpper 9/140/195	Norian	214/170/211								
1/21	Σ	1/43	108	7140/193	Carnian	201/155/203								
154/217/221		129/43/146	N	Middle	Ladinian	201/131/191								
			177	//104/177	Anisian	188/117/183								
<u>-</u> C		assic	ı	_ower	Olenekian	176/81/165								
0 Z		Τ̈́	15	2/57/153	Induan	164/70/159								
0			Lo	pingian	Changhsingian	252/192/178								
пе		으	40	01	9	으	0:	0	0	0	251	/167/148	Wuchiapingian	252/180/162
ത	_	240/64/40			Capitanian	251/154/133								
Ph	/14	9/01		1/116/92	Wordian	251/141/118								
	153/192/141	24		17110702	Roadian	251/128/105								
	53/	an			Kungurian	227/135/118								
	15	Permian	Cis	suralian	Artinskian	227/123/104								
		Pe	23	39/88/69	Sakmarian	227/111/92								
	i C				Asselian	227/99/80								
	0 Z 0	/153	ian 31	Upper	Gzhelian	204/212/199								
	e 0	103/165/153	Pennsylvanian 153/194/181	191/208/186	Kasimovian	191/208/197								
	a l e	103	nnsy 53/19	Middle 166/199/183	Moscovian	179/203/185								
	Р	Sno	Pe 1	Lower 140/190/180	Bashkirian	153/194/181								
		ifero	opian 7102	Upper 179/190/108	Serpukhovian	191/194/107								
		Carboniferous	Mississippian 103/143/102	Middle 153/180/108	Visean	166/185/108								
		Ca	Mis 10	Lower 128/171/108	Tournaisian	140/176/108								

		10		ı							
		/55	Upper	Famennian	242/237/197						
		40	241/225/157	Frasnian	242/237/173						
		3/1	Middle	Givetian	241/225/133						
		120	241/200/104	Eifelian	241/213/118						
		Devonian 203/140/55		Emsian	229/208/117						
		VO	Lower 229/172/77	Pragian	229/196/104						
		De	220/1/2/1/	Lochkovian	229/183/90						
		32	Pridoli 230/245/225		230/245/22						
		118	Ludlow	Ludfordian	217/240/223						
_		179/225/182	191/230/207	Gorstian	204/236/22						
/22	41	76/	Wenlock	Homerian	204/235/209						
17	12/1		179/225/194	Sheinwoodian	191/230/19						
154/217/221	53/192/141	Silurian		Telychian	191/230/207						
15	153	iii	Llandovery 153/215/179	Aeronian	179/225/194						
	Ì	S		Rhuddanian	166/220/18						
o i c	\circ	12	Upper 127/202/147	Hirnantian	166/219/17						
Z 0	0 –	46/1		Katian	153/214/159						
r 0	e o z (3 O Z (7	7	11.	<u></u>	1		1211202/141	Sandbian	140/208/148
е							Middle	Darriwilian	116/198/15		
a n	<u>а</u>	Ordovician0	77/180/126	Dapingian	102/192/14						
P h	Д		dov	dov	200	dov	Lower	Floian	65/176/13		
_			26/157/111	Tremadocian	51/169/126						
				Stage 10	230/245/20						
		(0	Furongian 179/224/149	Jiangshanian	217/240/18						
		8/	173/224/143	Paibian	204/235/174						
		160		Guzhangian	204/223/170						
		127/160/86	Series 3 166/207/134	Drumian	191/217/15						
			100/201/104	Stage 5	179/212/146						
			Series 2	Stage 4	179/202/142						
		Cambrian	153/192/120	Stage 3	166/197/131						
		Car	Terreneuvian	Stage 2	166/186/128						
			140/176/108	Fortunian	153/181/11						

		Neo-	Ediacaran	254/217/106				
	60	proterozoic	Cryogenian	254/204/92				
	247/53/99	254/179/66	Tonian	254/191/78				
	17/	Meso-	Stenian	254/217/154				
2	27	proterozoic	Ectasian	253/204/138				
247/67/112	Sic	253/180/98	Calymmian	253/192/122				
/67	ozc		Statherian	248/117/167				
247	ter	Paleo-	Orosirian	247/104/152				
	Proterozoi	proterozoic 247/67/112	Rhyacian	247/91/137				
a			Siderian	247/79/124				
mbria	127	Neoarchean 249/155/193		250/167/200				
ecan	240/4/127	Mesoarchean 247/104/169		248/129/181				
Pr(Archean (Paleoarchean 244/68/159		246/104/178		
	Arch	Eoarchean 218/3/127		230/29/140				
	Hadean 174/2/126							

RGB COLOR CODE

The RGB color code is an additive model of Red, Green and Blue.

Each is indicated on a scale from 0 (no pigment) to 255 (saturation of this pigment). For example: "Devonian (203/140/205)" indicates a mixture of 203 Red, 140 Green and 205 Blue.

The conversion from the reference CMYK values to the RGB codes utilizes Adobe® Illustrator® CS3's color function of "Emulate Adobe® Illustrator® 6.0" (menu Edit / Color Settings / Settings).

For color conversions using a program other than Adobe® Illustrator®, it is necessary to conserve the reference CMYK, even if the resulting RGB values are slightly different.

Color composition by J.M. Pellé (BRGM, France) 2008 Technical review by C. Vinnemann (BGR, Germany)