

Day of Year look up table non-Leap Years

http://disc.gsfc.nasa.gov/julian_calendar.shtml

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 001 | 032 | 060 | 091 | 121 | 152 | 182 | 213 | 244 | 274 | 305 | 335 |
| 2 | 002 | 033 | 061 | 092 | 122 | 153 | 183 | 214 | 245 | 275 | 306 | 336 |
| 3 | 003 | 034 | 062 | 093 | 123 | 154 | 184 | 215 | 246 | 276 | 307 | 337 |
| 4 | 004 | 035 | 063 | 094 | 124 | 155 | 185 | 216 | 247 | 277 | 308 | 338 |
| 5 | 005 | 036 | 064 | 095 | 125 | 156 | 186 | 217 | 248 | 278 | 309 | 339 |
| 6 | 006 | 037 | 065 | 096 | 126 | 157 | 187 | 218 | 249 | 279 | 310 | 340 |
| 7 | 007 | 038 | 066 | 097 | 127 | 158 | 188 | 219 | 250 | 280 | 311 | 341 |
| 8 | 008 | 039 | 067 | 098 | 128 | 159 | 189 | 220 | 251 | 281 | 312 | 342 |
| 9 | 009 | 040 | 068 | 099 | 129 | 160 | 190 | 221 | 252 | 282 | 313 | 343 |
| 10 | 010 | 041 | 069 | 100 | 130 | 161 | 191 | 222 | 253 | 283 | 314 | 344 |
| 11 | 011 | 042 | 070 | 101 | 131 | 162 | 192 | 223 | 254 | 284 | 315 | 345 |
| 12 | 012 | 043 | 071 | 102 | 132 | 163 | 193 | 224 | 255 | 285 | 316 | 346 |
| 13 | 013 | 044 | 072 | 103 | 133 | 164 | 194 | 225 | 256 | 286 | 317 | 347 |
| 14 | 014 | 045 | 073 | 104 | 134 | 165 | 195 | 226 | 257 | 287 | 318 | 348 |
| 15 | 015 | 046 | 074 | 105 | 135 | 166 | 196 | 227 | 258 | 288 | 319 | 349 |
| 16 | 016 | 047 | 075 | 106 | 136 | 167 | 197 | 228 | 259 | 289 | 320 | 350 |
| 17 | 017 | 048 | 076 | 107 | 137 | 168 | 198 | 229 | 260 | 290 | 321 | 351 |
| 18 | 018 | 049 | 077 | 108 | 138 | 169 | 199 | 230 | 261 | 291 | 322 | 352 |
| 19 | 019 | 050 | 078 | 109 | 139 | 170 | 200 | 231 | 262 | 292 | 323 | 353 |
| 20 | 020 | 051 | 079 | 110 | 140 | 171 | 201 | 232 | 263 | 293 | 324 | 354 |
| 21 | 021 | 052 | 080 | 111 | 141 | 172 | 202 | 233 | 264 | 294 | 325 | 355 |
| 22 | 022 | 053 | 081 | 112 | 142 | 173 | 203 | 234 | 265 | 295 | 326 | 356 |
| 23 | 023 | 054 | 082 | 113 | 143 | 174 | 204 | 235 | 266 | 296 | 327 | 357 |
| 24 | 024 | 055 | 083 | 114 | 144 | 175 | 205 | 236 | 267 | 297 | 328 | 358 |
| 25 | 025 | 056 | 084 | 115 | 145 | 176 | 206 | 237 | 268 | 298 | 329 | 359 |
| 26 | 026 | 057 | 085 | 116 | 146 | 177 | 207 | 238 | 269 | 299 | 330 | 360 |
| 27 | 027 | 058 | 086 | 117 | 147 | 178 | 208 | 239 | 270 | 300 | 331 | 361 |
| 28 | 028 | 059 | 087 | 118 | 148 | 179 | 209 | 240 | 271 | 301 | 332 | 362 |
| 29 | 029 | | 088 | 119 | 149 | 180 | 210 | 241 | 272 | 302 | 333 | 363 |
| 30 | 030 | | 089 | 120 | 150 | 181 | 211 | 242 | 273 | 303 | 334 | 364 |
| 31 | 031 | | 090 | | 151 | | 212 | 243 | | 304 | | 365 |

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If a year can be divided by 4 or 400 without remainder, it is a leap year.

If a year can be divided by 100 without remainder it is a common year.

The next leap year will be 2016.

The next year that is divisible by both 100 and 4 will be the year 2100.

The next year that is divisible by 400 will be the year 2400.

| Day | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 001 | 032 | 061 | 092 | 122 | 153 | 183 | 214 | 245 | 275 | 306 | 336 |
| 2 | 002 | 033 | 062 | 093 | 123 | 154 | 184 | 215 | 246 | 276 | 307 | 337 |
| 3 | 003 | 034 | 063 | 094 | 124 | 155 | 185 | 216 | 247 | 277 | 308 | 338 |
| 4 | 004 | 035 | 064 | 095 | 125 | 156 | 186 | 217 | 248 | 278 | 309 | 339 |
| 5 | 005 | 036 | 065 | 096 | 126 | 157 | 187 | 218 | 249 | 279 | 310 | 340 |
| 6 | 006 | 037 | 066 | 097 | 127 | 158 | 188 | 219 | 250 | 280 | 311 | 341 |
| 7 | 007 | 038 | 067 | 098 | 128 | 159 | 189 | 220 | 251 | 281 | 312 | 342 |
| 8 | 008 | 039 | 068 | 099 | 129 | 160 | 190 | 221 | 252 | 282 | 313 | 343 |
| 9 | 009 | 040 | 069 | 100 | 130 | 161 | 191 | 222 | 253 | 283 | 314 | 344 |
| 10 | 010 | 041 | 070 | 101 | 131 | 162 | 192 | 223 | 254 | 284 | 315 | 345 |
| 11 | 011 | 042 | 071 | 102 | 132 | 163 | 193 | 224 | 255 | 285 | 316 | 346 |
| 12 | 012 | 043 | 072 | 103 | 133 | 164 | 194 | 225 | 256 | 286 | 317 | 347 |
| 13 | 013 | 044 | 073 | 104 | 134 | 165 | 195 | 226 | 257 | 287 | 318 | 348 |
| 14 | 014 | 045 | 074 | 105 | 135 | 166 | 196 | 227 | 258 | 288 | 319 | 349 |
| 15 | 015 | 046 | 075 | 106 | 136 | 167 | 197 | 228 | 259 | 289 | 320 | 350 |
| 16 | 016 | 047 | 076 | 107 | 137 | 168 | 198 | 229 | 260 | 290 | 321 | 351 |
| 17 | 017 | 048 | 077 | 108 | 138 | 169 | 199 | 230 | 261 | 291 | 322 | 352 |
| 18 | 018 | 049 | 078 | 109 | 139 | 170 | 200 | 231 | 262 | 292 | 323 | 353 |
| 19 | 019 | 050 | 079 | 110 | 140 | 171 | 201 | 232 | 263 | 293 | 324 | 354 |
| 20 | 020 | 051 | 080 | 111 | 141 | 172 | 202 | 233 | 264 | 294 | 325 | 355 |
| 21 | 021 | 052 | 081 | 112 | 142 | 173 | 203 | 234 | 265 | 295 | 326 | 356 |
| 22 | 022 | 053 | 082 | 113 | 143 | 174 | 204 | 235 | 266 | 296 | 327 | 357 |
| 23 | 023 | 054 | 083 | 114 | 144 | 175 | 205 | 236 | 267 | 297 | 328 | 358 |
| 24 | 024 | 055 | 084 | 115 | 145 | 176 | 206 | 237 | 268 | 298 | 329 | 359 |
| 25 | 025 | 056 | 085 | 116 | 146 | 177 | 207 | 238 | 269 | 299 | 330 | 360 |
| 26 | 026 | 057 | 086 | 117 | 147 | 178 | 208 | 239 | 270 | 300 | 331 | 361 |
| 27 | 027 | 058 | 087 | 118 | 148 | 179 | 209 | 240 | 271 | 301 | 332 | 362 |
| 28 | 028 | 059 | 088 | 119 | 149 | 180 | 210 | 241 | 272 | 302 | 333 | 363 |
| 29 | 029 | 060 | 089 | 120 | 150 | 181 | 211 | 242 | 273 | 303 | 334 | 364 |
| 30 | 030 | | 090 | 121 | 151 | 182 | 212 | 243 | 274 | 304 | 335 | 365 |
| 31 | 031 | | 091 | | 152 | | 213 | 244 | | 305 | | 366 |