



**Recursive** (Beta v1.014, Aug 2019, 3da10a84)  
Made by Arrow Type. Type design by Stephen Nixon,  
with contributions from Katja Schimmel, Lisa  
Huang, and Rafał Buchner, plus early guidance  
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2018. Type mastering by Ben Kiel.

Book design by Math Practice.  
Typeset with DrawBot by Stephen Nixon.

**<https://recursive.design>**

# *A highly customizable variable font for design, code, and UI.*

Recursive is a versatile new variable font with five stylistic axes. These variation axes enable customizable control within five stylistic ranges: Proportion, Expression, Weight, Slant, and Italic. Carefully-planned named instances also allow selection within a set of predefined styles.

Recursive offers a range of personality, from a sturdy, rational Linear to a friendly, energetic Casual. It comes in two

subfamilies: Mono & Sans. Within these subfamilies, characters maintain the exact same width across all font styles. This allows for smooth stylistic transitions without affecting line length, enabling new levels of typographic flexibility & interactivity.

Flip the pages to see Recursive in motion!

*Recursive has been sponsored by Google Fonts, through which it will soon be released. Recursive is available under the SIL Open Font License and can be freely used in or adapted for any project.*

Google

PROP 0.00 \*

XPRN 0.00 \*

wght 900.00 .....\*

slnt 0.00 \*

ital 1.00 .....\*

The image displays two large, bold, black letters from the Recursive Mono font. The letter 'T' is on the left, featuring a thick vertical stem and a horizontal bar extending from its top right. The letter 'W' is on the right, composed of three thick vertical stems meeting at a central point. Both letters have a clean, sans-serif appearance with sharp edges.

PROP	0.00	*
XPRN	0.00	*
wght	899.93	.....*
slnt	-0.31	*
ital	1.00	.....*



PROP	0.00	*
XPRN	0.00	*
wght	899.74	.....*
slnt	-0.63	.*
ital	1.00	.....*

The image displays two large, bold, black letters, 'T' and 'W', from the Recursive Mono font. The letters are rendered in a minimalist, geometric style. The letter 'T' has a thick vertical stroke on the left and a shorter vertical stroke on the right, with a horizontal bar connecting them. The letter 'W' is composed of three thick vertical strokes of varying heights, creating a triangular shape. Both letters are set against a plain white background.

PROP	0.00	*
XPRN	0.01	*
wght	899.41	.....*
slnt	-0.95	..*
ital	1.00	.....*

The image displays two large, bold, black letters, 'T' and 'W', from the Recursive Mono font. The letters are rendered in a minimalist, geometric style with thick, solid black outlines. The letter 'T' has a standard vertical stem and a horizontal crossbar. The letter 'W' is composed of three thick, rounded vertical strokes meeting at a central point. The entire graphic is set against a plain white background.

PROP	0.00	*
XPRN	0.01	*
wght	898.97	.....*
slnt	-1.26	..*
ital	1.00	.....*

The image displays a large, bold, black sans-serif font logo. It features two letters joined together: a 'T' on the left and a 'W' on the right. The 'T' has a standard vertical stem and a horizontal crossbar. The 'W' is formed by three thick, rounded strokes that meet at a central vertical axis. The entire logo is rendered in a solid black color against a white background.

PROP	0.00	*
XPRN	0.02	*
wght	898.40	.....*
slnt	-1.58	...*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.02	*
wght	897.71	.....*
slnt	-1.89	....*
ital	1.00	.....*

Two

PROP	0.00	*
XPRN	0.03	.*
wght	896.90	.....*
slnt	-2.21	....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.04	.*
wght	895.98	.....*
slnt	-2.53	....*
ital	1.00	.....*

tmw

PROP	0.00	*
XPRN	0.05	.*
wght	894.95	.....*
slnt	-2.84	.....*
ital	1.00	.....*

tmw

PROP	0.00	*
XPRN	0.06	..*
wght	893.82	.....*
slnt	-3.16	.....*
ital	1.00	.....*

A large, bold, black monospace-style font displays the lowercase letters 'tmw'. The letters are thick and have a clean, sans-serif appearance. The 't' has a vertical stroke with a small horizontal cutout on the right side. The 'm' is a standard vertical bar with a crossbar. The 'w' is formed by two vertical bars and a central horizontal bar.

PROP	0.00	*
XPRN	0.08	..*
wght	892.58	.....*
slnt	-3.47	.....*
ital	1.00	.....*

tmw

PROP	0.00	*
XPRN	0.09	..*
wght	891.23	.....*
slnt	-3.79	.....*
ital	1.00	.....*

tmw

PROP	0.00	*
XPRN	0.10	...*
wght	889.79	.....*
slnt	-4.10	.....*
ital	1.00	.....*

tmw

PROP	0.00	*
XPRN	0.12	...*
wght	888.25	.....*
slnt	-4.42	.....*
ital	1.00	.....*

TMW

PROP	0.00	*
XPRN	0.13	.....*
wght	886.62	.....*
slnt	-4.74	.....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.15	.....*
wght	884.89	.....*
slnt	-5.05	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.17	.....*
wght	883.08	.....*
slnt	-5.37	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.19	.....*
wght	881.18	.....*
slnt	-5.68	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.21	.....*
wght	879.20	.....*
slnt	-6.00	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.23	.....*
wght	877.14	.....*
slnt	-6.31	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.25	.....*
wght	875.00	.....*
slnt	-6.63	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.27	.....*
wght	872.79	.....*
slnt	-6.95	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.30	.....*
wght	870.51	.....*
slnt	-7.26	.....*
ital	1.00	.....*

trw

PROP	0.00	*
XPRN	0.32	.....*
wght	868.16	.....*
slnt	-7.58	.....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.34	.....*
wght	865.74	.....*
slnt	-7.89	.....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.37	.....*
wght	863.26	.....*
slnt	-8.21	.....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.39	.....*
wght	860.72	.....*
slnt	-8.53	.....*
ital	1.00	.....*

tw

PROP	0.00	*
XPRN	0.42	.....*
wght	858.12	.....*
slnt	-8.84	.....*
ital	1.00	.....*

trw

PROP	0.00	*
XPRN	0.45	.....*
wght	855.47	.....*
slnt	-9.16	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.47	.....*
wght	852.76	.....*
slnt	-9.47	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.50	.....*
wght	850.01	.....*
slnt	-9.79	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.53	.....*
wght	847.21	.....*
slnt	-10.10	.....*
ital	1.00	.....*

trw

PROP	0.00	*
XPRN	0.56	.....*
wght	844.37	.....*
slnt	-10.42	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.58	.....*
wght	841.48	.....*
slnt	-10.74	.....*
ital	1.00	.....*

trw

PROP	0.00	*
XPRN	0.61	.....*
wght	838.56	.....*
slnt	-11.05	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.64	.....*
wght	835.61	.....*
slnt	-11.37	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.67	.....*
wght	832.62	.....*
slnt	-11.68	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.70	.....*
wght	829.60	.....*
slnt	-12.00	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.73	.....*
wght	826.56	.....*
slnt	-12.31	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.76	.....*
wght	823.49	.....*
slnt	-12.63	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.80	.....*
wght	820.40	.....*
slnt	-12.95	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.83	.....*
wght	817.29	.....*
slnt	-13.26	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.86	.....*
wght	814.17	.....*
slnt	-13.58	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.89	.....*
wght	811.03	.....*
slnt	-13.89	.....*
ital	1.00	.....*

*rw*

PROP	0.00	*
XPRN	0.92	.....*
wght	807.89	.....*
slnt	-14.21	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.95	.....*
wght	804.74	.....*
slnt	-14.53	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.98	.....*
wght	801.58	.....*
slnt	-14.84	.....*
ital	1.00	.....*

rw

PROP	0.00	*
XPRN	0.98	.....*
wght	792.11	.....*
slnt	-14.84	.....*
ital	0.00	*

The image displays a large, bold, black, italicized sans-serif font rendering of the letters "2w". The letters are thick and have a dynamic, slanted appearance. The "2" is a standard digit two, and the "w" is a wide, open letter with a distinct bowl shape.

PROP	0.00	*
XPRN	0.95	.....*
wght	776.32	.....*
slnt	-14.53	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.92	.....*
wght	760.56	.....*
slnt	-14.21	.....*
ital	0.00	*

A large, bold, italicized font rendering of the lowercase letters 'z' and 'w'. The letters have thick, rounded strokes and a dynamic, slanted orientation, characteristic of a bold italic typeface.

PROP	0.00	*
XPRN	0.89	.....*
wght	744.84	.....*
slnt	-13.89	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.86	.....*
wght	729.16	.....*
slnt	-13.58	.....*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.83	.....*
wght	713.55	.....*
slnt	-13.26	.....*
ital	0.00	*

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'Y' with a thick, rounded vertical stroke and a wide, open top. On the right is a stylized letter 'W' with three thick, rounded vertical strokes meeting at a central point. Both letters have a minimalist, geometric design.

PROP	0.00	*
XPRN	0.80	.....*
wght	698.01	.....*
slnt	-12.95	.....*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.76	.....*
wght	682.56	.....*
slnt	-12.63	.....*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.73	.....*
wght	667.22	.....*
slnt	-12.31	.....*
ital	0.00	*

rw

```
PROP    0.00  *
XPRN    0.70  ....*....*....*
wght   652.00  ....*....*
slnt   -12.00  ....*....*
ital    0.00  *
```

**rw**

PROP	0.00	*
XPRN	0.67	.....*
wght	636.91	.....*
slnt	-11.68	.....*
ital	0.00	*

*rw*

PROP	0.00	*
XPRN	0.64	.....*
wght	621.97	.....*
slnt	-11.37	.....*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.61	.....*
wght	607.19	.....*
slnt	-11.05	.....*
ital	0.00	*

rw

PROP	0.00	*
XPRN	0.58	.....*
wght	592.58	.....*
slnt	-10.74	.....*
ital	0.00	*

**YW**

The image displays two large, bold, black letters, 'Y' and 'W', rendered in a highly stylized font. The letter 'Y' has a thick vertical stem on the left and a wide, curved top bar that descends to the right. The letter 'W' is formed by three thick, angled strokes that meet at a central point. Both letters have a rough, textured appearance with visible internal lines and a slightly irregular shape.

PROP	0.00	*
XPRN	0.56	.....*
wght	578.16	.....*
slnt	-10.42	.....*
ital	0.00	*

**rw**



PROP	0.00	*
XPRN	0.53	.....*
wght	563.95	.....*
slnt	-10.10	.....*
ital	0.00	*

**YW**

PROP	0.00	*
XPRN	0.50	.....*
wght	549.95	.....*
slnt	-9.79	.....*
ital	0.00	*

**Y** **W**

PROP	0.00	*
XPRN	0.47	.....*
wght	536.19	.....*
slnt	-9.47	.....*
ital	0.00	*

Y W

PROP	0.00	*
XPRN	0.45	.....*
wght	522.67	.....*
slnt	-9.16	.....*
ital	0.00	*

**YW**

PROP	0.00	*
XPRN	0.42	.....*
wght	509.40	.....*
slnt	-8.84	.....*
ital	0.00	*

Recursive Mono

PROP	0.00	*
XPRN	0.39	.....*
wght	496.41	.....*
slnt	-8.53	.....*
ital	0.00	*

**rw**



PROP	0.00	*
XPRN	0.37	.....*
wght	483.71	.....*
slnt	-8.21	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.34	.....*
wght	471.31	.....*
slnt	-7.89	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.32	.....*
wght	459.22	.....*
slnt	-7.58	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.30	.....*
wght	447.46	.....*
slnt	-7.26	.....*
ital	0.00	*

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'Y' with a thick, rounded vertical stroke and a horizontal bar extending to the right. On the right is a stylized letter 'W' with three thick, rounded vertical strokes meeting at a central point.

PROP	0.00	*
XPRN	0.27	.....*
wght	436.05	.....*
slnt	-6.95	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.25	.....*
wght	424.99	.....*
slnt	-6.63	.....*
ital	0.00	*



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.23  .......
wght     414.30  .......
slnt     -6.31  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a complex, wavy horizontal bar connecting them.

```
PROP      0.00  *
XPRN      0.21  .......
wght     404.00  ....*
slnt     -6.00  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a horizontal bar at the bottom. On the right is a stylized letter 'W' with three thick vertical strokes and a curved top.

PROP	0.00	*
XPRN	0.19	.....*
wght	394.10	.....*
slnt	-5.68	.....*
ital	0.00	*

Recursive Mono



PROP	0.00	*
XPRN	0.17	.....*
wght	384.61	.....*
slnt	-5.37	.....*
ital	0.00	*

Recursive Mono



PROP	0.00	*
XPRN	0.15	.....*
wght	375.54	.....*
slnt	-5.05	.....*
ital	0.00	*

Recursive Mono

PROP	0.00	*
XPRN	0.13	.....*
wght	366.92	...*
slnt	-4.74	.....*
ital	0.00	*

The image displays two large, bold, black letters against a white background. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.12	...*
wght	358.75	...*
slnt	-4.42	.....*
ital	0.00	*



```
PROP      0.00  *
XPRN      0.10  ...*
wght     351.05  ..*
slnt     -4.10  .......
ital      0.00  *
```

The image displays two large, bold, black letters from the Arrow Type font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.09	..*
wght	343.84	..*
slnt	-3.79	.....*
ital	0.00	*



Recursive Mono

Arrow Type

PROP	0.00	*
XPRN	0.08	..*
wght	337.12	..*
slnt	-3.47	.....*
ital	0.00	*

Recursive Mono



```
PROP      0.00  *
XPRN      0.06  ..*
wght     330.91  .*
slnt     -3.16  .......
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.05  .*
wght     325.23  .*
slnt     -2.84  .....*
ital      0.00  *
```

The image displays two large, bold, black letters from the Recursive Mono font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

PROP	0.00	*
XPRN	0.04	.*
wght	320.08	.*
slnt	-2.53	.....*
ital	0.00	*



PROP	0.00	*
XPRN	0.03	.*
wght	315.49	*
slnt	-2.21	....*
ital	0.00	*



Recursive Mono

Arrow Type

PROP 0.00 \*

XPRN 0.02 \*

wght 311.46 \*

slnt -1.89 ....\*

ital 0.00 \*

The image displays two large, bold, black letters against a white background. On the left is a tall, narrow letter 'I' with a thick vertical stroke and a horizontal bar at the bottom. On the right is a wide, blocky letter 'W' with three distinct vertical strokes meeting at a central point.

Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.02  *
wght     308.02  *
slnt     -1.58  ...*
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.01  *
wght     305.17  *
slnt     -1.26  ..*
ital      0.00  *
```

The image displays two large, bold, black letters from the Arrow Type font. On the left is a stylized letter 'I' with a thick vertical stroke and a curved top bar. On the right is a stylized letter 'W' with three thick vertical strokes and a central horizontal bar connecting them.

```
PROP      0.00  *
XPRN      0.01  *
wght     302.93  *
slnt     -0.95  ..*
ital      0.00  *
```



Recursive Mono

Arrow Type

```
PROP      0.00  *
XPRN      0.00  *
wght     301.31  *
slnt     -0.63  .*
ital      0.00  *
```



Recursive Mono

Arrow Type

PROP 0.00 \*  
XPRN 0.00 \*  
wght 300.33 \*  
slnt -0.31 \*  
ital 0.00 \*



Recursive Mono

Arrow Type

PROP 0.00 \*

XPRN 0.00 \*

wght 300.00 \*

slnt 0.00 \*

ital 0.00 \*



Recursive Mono

Arrow Type







