

Converting Colors

XYZ(18.4397, 11.8174, 34.1658)

Have a look what the booklet for
XYZ(18.4397, 11.8174, 34.1658)
contains.

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Color

**XYZ(18.4785, 11.8717,
34.1184)**

Conversions

Conversions Part 1

Format	Color
Hex	88449F
RGB	136, 68, 159
RGB Percent	53%, 27%, 62%
CMY	0.4667, 0.7333, 0.3765
CMYK	0.14, 0.57, 0.00, 0.38
HSL	285°, 40%, 45%
HSV	285°, 57%, 62%
XYZ	18.4785, 11.8717, 34.1184
YIQ	98.7060, 11.3170, 42.7170

Conversions

Conversions Part 2

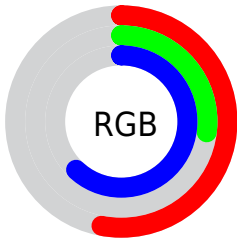
Format	Color
R _Y B	136, 68, 159
Decimal	8930463
CIE Lab	41.01, 43.91, -37.55
CIE LCh	41, 57.779, 319.469
Yxy	11.8717, 0.2866, 0.1841
Android (android.graphics.Color)	4287120543 (0xFF88449F)
YUV	98.7060, 29.7249, 32.7068
Hunter-Lab	34.4553, 35.4333, -34.5915

Details

The XYZ color **18.4785, 11.8717, 34.1184** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.7562, 27.4380, 9.8295**, and the grayscale version is **11.7121, 12.3220, 13.4187**.

A 20% lighter version of the original color is **40.2203, 29.1251, 67.1202**, and **6.3919, 3.2422, 14.1988** is the 20% darker color. If you saturate the color by 10%, you get **17.0037, 9.8726, 33.8104**, and if you desaturate by 10%, it is **20.2395, 14.4060, 34.5149**.

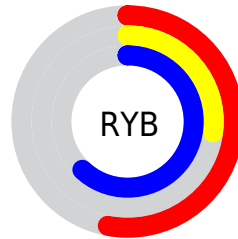
Distribution



Red (53%)

Green (27%)

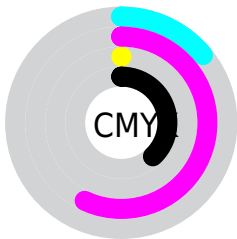
Blue (62%)



Red (53%)

Yellow (27%)

Blue (62%)

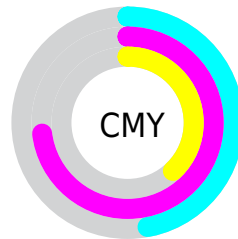


Cyan (14%)

Magenta (57%)

Yellow (0%)

Black (38%)



Cyan (47%)

Magenta (73%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4785, 11.8717, 34.1184 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.4785, 11.8717, 34.1184 by changing the saturation by 10% instead.

■ 18.4785, 11.8717,
34.1184

■ 18.4785, 11.8717,
34.1184

236.5482,
203.5541, 335.4449

■ 11.3958, 6.6564,
22.7065

■ 40.3747, 29.2612,
67.2537

■ 6.4030, 3.2481,
14.1737

■ 55.9190, 42.2042,
89.8143

■ 3.1346, 1.2626,
8.1014

■ 75.0145, 58.4919,
116.9280

■ 1.2253, 0.1120,
4.0712

■ 98.0266, 78.5086,
149.0136

■ 0.1262, 0.0000,
1.6645

■ 125.3207,
102.6388, 186.4896

■ 0.0000, 0.0000,
0.3362

157.2621,

■ 0.0000, 0.0000,

131.2668, 229.7744

0.0000

194.2162,
164.7771, 279.2867

■ 18.4785, 11.8717,
34.1184

■ 18.4785, 11.8717,
34.1184

■ 17.0037, 9.8726,
33.8104

■ 20.2395, 14.4060,
34.5149

■ 15.7918, 8.3637,
33.5831

■ 22.3047, 17.5126,
35.0057

■ 14.8180, 7.2953,
33.4282

■ 24.6924, 21.2269,
35.5968

■ 14.0415, 6.5867,
33.3323

■ 27.4187, 25.5810,
36.2936

■ 13.8404, 6.4121,
33.3092

■ 30.4988, 30.6048,
37.1009

■ 33.9467, 36.3262,
38.0235

■ 37.7760, 42.7716,
39.0658

■ 41.9991, 49.9659,
40.2318

■ 46.6283, 57.9328,
41.5256

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.1497, 11.8717, 48.5277



18.4785, 11.8717, 34.1184



21.0570, 11.8717, 17.5560

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.4785, 11.8717, 34.1184



12.8018, 11.8717, 0.9721



5.3202, 11.8717, 22.1091

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.4785, 11.8717, 34.1184



17.7562, 27.4380, 9.8295

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.1281, 11.8717, 9.1917



18.4785, 11.8717, 34.1184



8.8334, 11.8717, 1.1453

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.4785, 11.8717, 34.1184



17.2866, 11.8717, 2.1888



6.2510, 11.8717, 3.0511



6.8614, 11.8717, 39.1440

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.4785, 11.8717, 34.1184



21.0958, 11.8717, 9.5273



6.2510, 11.8717, 3.0511



5.1130, 11.8717, 17.0505

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.4790, 11.8722, 34.1187



49.0563, 45.7357, 64.9858



12.4926, 11.4332, 34.3494



10.8438, 9.9632, 14.5952



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.4790, 11.8722, 34.1187



29.7350, 16.7585, 60.4109



20.9361, 13.3338, 25.4269



6.7403, 6.6701, 8.3389



10.9712, 5.0849, 26.3105



0.2322, 0.1095, 0.4721

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.2538, 12.2609, 11.3024



29.7444, 17.7920, 13.9360



16.5954, 26.7507, 13.7919



6.6984, 6.6723, 7.2630



11.6129, 5.9497, 2.2127



0.2231, 0.1126, 0.1210

Previews

White Background



This preview shows how the XYZ color 18.4785, 11.8717, 34.1184 looks on a white background.

Color Contrast Check

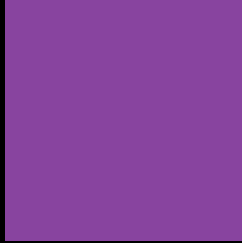
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.4785, 11.8717, 34.1184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

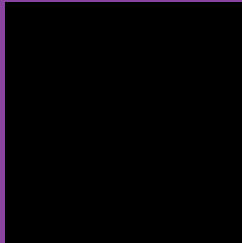
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4785, 11.8717, 34.1184

Background



This preview shows how black text looks on a background with the XYZ color 18.4785, 11.8717, 34.1184.



This preview shows how white text looks on a background with the XYZ color 18.4785, 11.8717,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.4785, 11.8717, 34.1184

Protanopia

13.8734, 12.0945, 46.9507

Deuteranopia

12.3542, 12.0407, 32.2448



Tritanopia

13.8637, 11.8639, 11.6845

Trichromacy



Original Color

18.4785, 11.8717, 34.1184

Protanomaly

14.2946, 11.2976, 41.9847

Deuteranomaly

13.6429, 11.2800, 32.9107

Tritanomaly

15.1543, 11.5987, 17.9631

Monochromacy



Original Color

18.4785, 11.8717, 34.1184

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.6230, 11.8047, 19.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4785, 11.8717, 34.1184 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 68, 159)` looks like.

```
.text, #text, p{  
    color:rgb(136, 68, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 68, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 68, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.4785, 11.8717, 34.1184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 68, 159) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(136, 68, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(136, 68, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 68, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 68, 159);  
box-shadow:4px 4px 4px 4px rgb(136, 68,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4785, 11.8717, 34.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 68, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136, 68,  
159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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