

Converting Colors

XYZ(18.8997, 11.2827, 51.0508)

Have a look what the booklet for
XYZ(18.8997, 11.2827, 51.0508)
contains.

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Color

**XYZ(18.8997, 11.2827,
51.0508)**

Conversions

Conversions Part 1

Format	Color
Hex	773FC0
RGB	119, 63, 192
RGB Percent	47%, 25%, 75%
CMY	0.5333, 0.7529, 0.2471
CMYK	0.38, 0.67, 0.00, 0.25
HSL	266°, 51%, 50%
HSV	266°, 67%, 75%
XYZ	18.8997, 11.2827, 51.0508
YIQ	94.4500, -8.0330, 51.9910

Conversions

Conversions Part 2

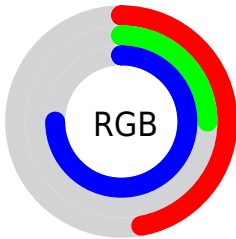
Format	Color
R _Y B	119, 63, 192
Decimal	7815104
CIE Lab	40.05, 50.23, -58.73
CIE LCh	40, 77.283, 310.540
Yxy	11.2827, 0.2327, 0.1389
Android (android.graphics.Color)	4286005184 (0xFF773FC0)
YUV	94.4500, 48.0922, 21.5304
Hunter-Lab	33.5897, 41.6533, -66.5981

Details

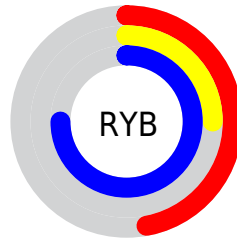
The XYZ color **18.8997, 11.2827, 51.0508** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **29.8999, 43.2924, 11.4831**, and the grayscale version is **10.6372, 11.1911, 12.1872**.

A 20% lighter version of the original color is **41.0207, 28.1043, 92.8852**, and **6.5779, 2.9822, 23.8958** is the 20% darker color. If you saturate the color by 10%, you get **16.6090, 8.7892, 50.6905**, and if you desaturate by 10%, it is **21.7326, 14.6061, 51.5432**.

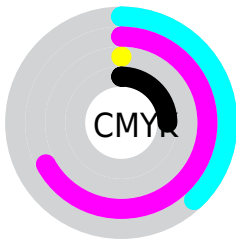
Distribution



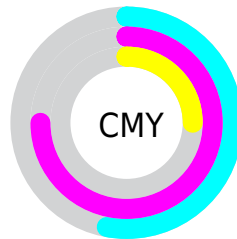
- Red (47%)
- Green (25%)
- Blue (75%)



- Red (47%)
- Yellow (25%)
- Blue (75%)



- Cyan (38%)
- Magenta (67%)
- Yellow (0%)
- Black (25%)



- Cyan (53%)
- Magenta (75%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8997, 11.2827, 51.0508 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 18.8997, 11.2827, 51.0508 by changing the saturation by 10% instead.

■ 18.8997, 11.2827,
51.0508

■ 18.8997, 11.2827,
51.0508

238.8432,
199.5969, 407.6133

■ 11.7014, 6.2573,
35.8720

■ 41.0827, 28.1818,
93.1421

■ 6.6114, 3.0022,
24.0465

■ 56.7982, 40.8242,
120.8918

■ 3.2645, 1.1329,
15.1556

■ 76.0834, 56.7745,
153.6688

■ 1.2951, 0.0058,
8.7808

■ 99.3037, 76.4170,
191.8917

■ 0.1796, 0.0000,
4.5036

■ 126.8245,
100.1361, 235.9791

■ 0.0000, 0.0000,
1.9055

159.0111,

■ 0.0000, 0.0000,

128.3162, 286.3494

0.4962

196.2289,
161.3416, 343.4213

■ 0.0000, 0.0000,
0.0000

■ 18.8997, 11.2827,
51.0508

■ 18.8997, 11.2827,
51.0508

■ 16.6090, 8.7892,
50.6905

■ 21.7326, 14.6061,
51.5432

■ 14.8127, 7.0406,
50.4476

■ 25.1463, 18.8305,
52.1787

■ 13.4486, 5.9210,
50.3034

■ 29.1771, 24.0204,
52.9680

■ 13.1130, 5.6609,
50.2709

■ 33.8579, 30.2337,
53.9206

■ 39.2188, 37.5240,
55.0452

■ 45.2880, 45.9407,
56.3499

■ 52.0922, 55.5303,
57.8423

■ 59.6563, 66.3366,
59.5294

■ 68.0043, 78.4011,
61.4181

Harmonies

Analogous

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



12.7186, 11.2827, 70.0089



18.8997, 11.2827, 51.0508



23.6474, 11.2827, 24.9516

Triad

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



18.8997, 11.2827, 51.0508



14.5305, 11.2827, 0.0000



3.4548, 11.2827, 18.5031

Complementary

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



18.8997, 11.2827, 51.0508



29.8999, 43.2924, 11.4831

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.



3.6531, 11.2827, 4.8499



18.8997, 11.2827, 51.0508



8.9495, 11.2827, 0.0000

Square

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



18.8997, 11.2827, 51.0508



20.5995, 11.2827, 1.3605



5.3294, 11.2827, 0.7218



4.6504, 11.2827, 43.1231

Rectangle

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



18.8997, 11.2827, 51.0508



24.6566, 11.2827, 12.0093



5.3294, 11.2827, 0.7218



3.3740, 11.2827, 12.5648

Sweetspot

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



18.9003, 11.2831, 51.0511



67.8827, 63.6367, 99.0656



20.3827, 22.4992, 53.1379



13.9693, 12.8439, 21.1282



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.9003, 11.2831, 51.0511



28.3248, 14.1482, 91.5983



30.9158, 17.4773, 51.6134



9.9338, 9.9570, 12.6832



8.9095, 3.8534, 33.8308



0.4639, 0.2072, 1.4654

Inverse Universe

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



27.9596, 16.5391, 25.0104



46.9481, 24.9867, 36.5419



22.3898, 39.4207, 11.1316



10.3066, 10.1712, 11.7049



16.5118, 8.2945, 10.6072



0.7475, 0.3720, 0.6377

Previews

White Background



This preview shows how the XYZ color 18.8997, 11.2827, 51.0508 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 18.8997, 11.2827, 51.0508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

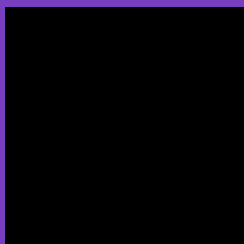
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8997, 11.2827, 51.0508

Background



This preview shows how black text looks on a background with the XYZ color 18.8997, 11.2827, 51.0508.



This preview shows how white text looks on a background with the XYZ color 18.8997, 11.2827,

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

18.8997, 11.2827, 51.0508

Protanopia

13.3667, 11.3324, 51.9350

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

11.2249, 11.2078, 13.3761

Trichromacy



Original Color

18.8997, 11.2827, 51.0508



Protanomaly

13.5643, 10.2487, 51.7154



Deuteranomaly

12.1806, 10.1849, 42.9189



Tritanomaly

13.1199, 10.6425, 23.5530

Monochromacy



Original Color

18.8997, 11.2827, 51.0508



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

12.7160, 10.6818, 22.5107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8997, 11.2827, 51.0508 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(119, 63, 192)` looks like.

```
.text, #text, p{  
    color:rgb(119, 63, 192)  
}
```

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(119, 63, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 63, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.8997, 11.2827, 51.0508 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(119, 63, 192) }
```


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

```
.border{ border-color:rgb(119, 63, 192) }
```

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

Here you see how a box with a 4 pixel rgb(119, 63, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 63, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 63, 192);  
box-shadow:4px 4px 4px 4px rgb(119, 63,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8997, 11.2827, 51.0508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 63, 192) }
```

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

```
.background{ background-color: rgb(119, 63,  
192) }
```

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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