

Converting Colors

XYZ(18.8718, 18.9250, 30.6337)

Have a look what the booklet for
XYZ(18.8718, 18.9250, 30.6337)
contains.

XYZ(18.8816, 18.9092, 30.6716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8816, 18.9092,
30.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	727794
RGB	114, 119, 148
RGB Percent	45%, 47%, 58%
CMY	0.5529, 0.5333, 0.4196
CMYK	0.23, 0.20, 0.00, 0.42
HSL	231°, 14%, 51%
HSV	231°, 23%, 58%
XYZ	18.8816, 18.9092, 30.6716
YIQ	120.8110, -12.2890, 7.9590

Conversions

Conversions Part 2

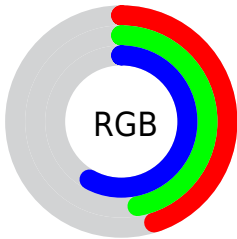
Format	Color
R_{YB}	114, 118, 148
Decimal	7501716
CIE _{Lab}	50.58, 4.76, -16.31
CIE _{LCh}	51, 16.991, 286.264
Yxy	18.9092, 0.2758, 0.2762
Android (android.graphics.Color)	4285691796 (0xFF727794)
YUV	120.8110, 13.4042, -5.9732
Hunter-Lab	43.4847, 1.4087, -11.3804

Details

The XYZ color **18.8816, 18.9092, 30.6716** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0727, 27.1559, 19.8404**, and the grayscale version is **18.0745, 19.0158, 20.7082**.

A 20% lighter version of the original color is **40.9495, 41.4971, 61.7286**, and **6.5909, 6.4934, 12.2152** is the 20% darker color. If you saturate the color by 10%, you get **15.7063, 15.1886, 30.1211**, and if you desaturate by 10%, it is **22.5692, 23.1910, 31.3040**.

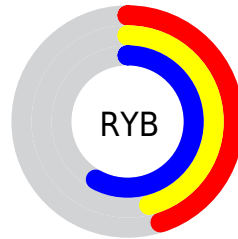
Distribution



Red (45%)

Green (47%)

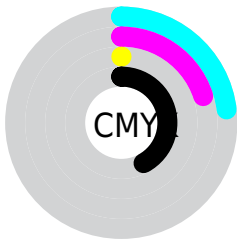
Blue (58%)



Red (45%)

Yellow (46%)

Blue (58%)

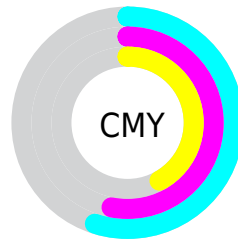


Cyan (23%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8816, 18.9092, 30.6716 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 18.8816, 18.9092, 30.6716 by changing the saturation by 10% instead.

■ 18.8816, 18.9092,
30.6716

■ 18.8816, 18.9092,
30.6716

238.7450,
245.9470, 319.3267

■ 11.6883, 11.6047,
20.0925

■ 41.0524, 41.5806,
61.7962

■ 6.6025, 6.4751,
12.2776

■ 56.7605, 57.7163,
83.1788

■ 3.2589, 3.1361,
6.8082

■ 76.0376, 77.5645,
108.9996

■ 1.2921, 1.2032,
3.2658

■ 99.2490, 101.5096,
139.6773

■ 0.1773, 0.0643,
1.2319

126.7601,
129.9360, 175.6303

■ 0.0000, 0.0000,
0.0050

158.9362,

■ 0.0000, 0.0000,

163.2281, 217.2772

0.0000

196.1427,
201.7703, 265.0365

■ 18.8816, 18.9092,
30.6716

■ 18.8816, 18.9092,
30.6716

■ 15.7063, 15.1886,
30.1211

■ 22.5692, 23.1910,
31.3040

■ 13.0186, 12.0036,
29.6480

■ 26.7887, 28.0538,
32.0202

■ 10.7948, 9.3301,
29.2492

■ 31.5606, 33.5189,
32.8236

■ 9.0081, 7.1409,
28.9208

■ 36.9041, 39.6062,
33.7170

■ 7.6291, 5.4066,
28.6587

■ 42.8374, 46.3345,
34.7029

■ 6.6247, 4.0943,
28.4584

■ 49.3777, 53.7218,
35.7841

■ 5.9562, 3.1665,
28.3145

■ 56.5416, 61.7855,
36.9630

■ 5.6278, 2.7031,
28.2424

■ 64.3453, 70.5421,
38.2419

■ 72.8040, 80.0078,
39.6231

Harmonies

Analogous

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



17.2253, 18.9092, 30.8080



18.8816, 18.9092, 30.6716



20.3792, 18.9092, 27.5782

Triad

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



18.8816, 18.9092, 30.6716



20.2711, 18.9092, 14.6644



15.0466, 18.9092, 18.4935

Complementary

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



18.8816, 18.9092, 30.6716



25.0727, 27.1559, 19.8404

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.



15.7633, 18.9092, 14.8932



18.8816, 18.9092, 30.6716



18.7413, 18.9092, 12.9237

Square

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



18.8816, 18.9092, 30.6716



21.2146, 18.9092, 18.1330



17.0933, 18.9092, 13.0004



15.0790, 18.9092, 23.2571

Rectangle

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



18.8816, 18.9092, 30.6716



21.0561, 18.9092, 24.4925



17.0933, 18.9092, 13.0004



15.2059, 18.9092, 17.1238

Sweetspot

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



18.8822, 18.9100, 30.6720



44.0473, 45.7958, 55.9525



22.4801, 26.7377, 29.9233



9.9676, 10.3534, 12.7579



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.8822, 18.9100, 30.6720



30.0768, 29.5776, 53.5584



19.9526, 18.6014, 30.5561



5.5643, 5.7625, 7.2887



4.8204, 2.3356, 24.1278



0.0722, 0.0549, 0.2997

Inverse Universe

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



21.5603, 19.6631, 20.1126



35.7497, 31.2619, 31.1715



23.7972, 27.6377, 20.0006



5.8335, 5.8285, 6.2294



10.5602, 5.4291, 1.1650



0.1359, 0.0691, 0.0493

Previews

White Background



This preview shows how the XYZ color 18.8816, 18.9092, 30.6716 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8816, 18.9092, 30.6716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

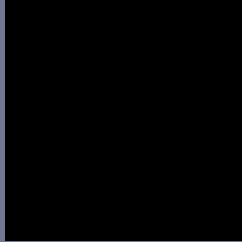
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

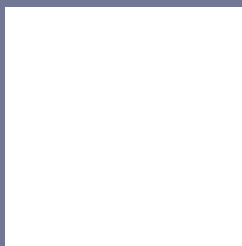
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8816, 18.9092, 30.6716

Background



This preview shows how black text looks on a background with the XYZ color 18.8816, 18.9092, 30.6716.



This preview shows how white text looks on a background with the XYZ color 18.8816, 18.9092,

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

18.8816, 18.9092, 30.6716

Protanopia

18.8816, 18.9092, 30.6716

Deuteranopia

19.2949, 18.9465, 30.6571



Tritanopia

17.6799, 18.9645, 24.5585

Trichromacy



Original Color

18.8816, 18.9092, 30.6716

Protanomaly

18.8816, 18.9092, 30.6716

Deuteranomaly

19.1598, 18.8769, 30.6507

Tritanomaly

18.1069, 18.9545, 26.7490

Monochromacy



Original Color

18.8816, 18.9092, 30.6716

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2844, 18.9232, 24.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8816, 18.9092, 30.6716 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(114, 119, 148)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 148)  
}
```

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(114, 119, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.8816, 18.9092, 30.6716 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(114, 119, 148) }
```


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

```
.border{ border-color:rgb(114, 119, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 148);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8816, 18.9092, 30.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 148) }
```

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

```
.background{ background-color: rgb(114,  
119, 148) }
```

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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