

Converting Colors

XYZ(19.2380, 18.7704, 34.5437)

Have a look what the booklet for
XYZ(19.2380, 18.7704, 34.5437)
contains.

XYZ(19.2463, 18.8359, 34.5196)	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(19.2463, 18.8359,
34.5196)**

Conversions

Conversions Part 1

Format	Color
Hex	70769D
RGB	112, 118, 157
RGB Percent	44%, 46%, 62%
CMY	0.5608, 0.5372, 0.3843
CMYK	0.29, 0.25, 0.00, 0.38
HSL	232°, 19%, 53%
HSV	232°, 29%, 62%
XYZ	19.2463, 18.8359, 34.5196
YIQ	120.6520, -16.0950, 10.8570

Conversions

Conversions Part 2

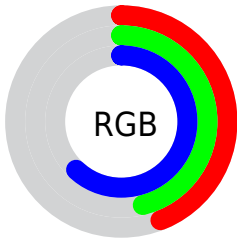
Format	Color
R_{YB}	112, 117, 157
Decimal	7370397
CIE _{Lab}	50.49, 7.00, -21.73
CIE _{LCh}	50, 22.827, 287.849
Yxy	18.8359, 0.2651, 0.2594
Android (android.graphics.Color)	4285560477 (0xFF70769D)
YUV	120.6520, 17.9196, -7.5878
Hunter-Lab	43.4003, 3.2069, -16.7776

Details

The XYZ color **19.2463, 18.8359, 34.5196** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8962, 30.4714, 19.7411**, and the grayscale version is **18.0101, 18.9480, 20.6344**.

A 20% lighter version of the original color is **41.7754, 41.5022, 68.0963**, and **6.8416, 6.4777, 14.5254** is the 20% darker color. If you saturate the color by 10%, you get **15.9318, 14.9181, 33.9384**, and if you desaturate by 10%, it is **23.1415, 23.3971, 35.1950**.

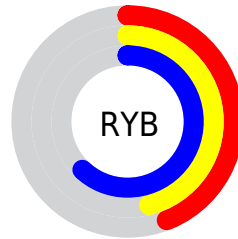
Distribution



Red (44%)

Green (46%)

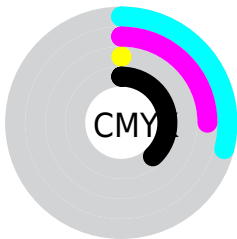
Blue (62%)



Red (44%)

Yellow (46%)

Blue (62%)

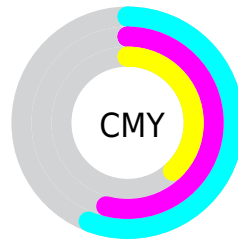


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (54%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2463, 18.8359, 34.5196 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 19.2463, 18.8359, 34.5196 by changing the saturation by 10% instead.

■ 19.2463, 18.8359,
34.5196

■ 19.2463, 18.8359,
34.5196

240.7172,
245.5413, 337.2824

■ 11.9534, 11.5518,
23.0125

■ 41.6635, 41.4566,
67.8840

■ 6.7840, 6.4393,
14.3973

■ 57.5186, 57.5620,
90.5783

■ 3.3725, 3.1140,
8.2556

■ 76.9585, 77.3766,
117.8388

■ 1.3537, 1.1915,
4.1688

■ 100.3485,
101.2848, 150.0840

■ 0.2228, 0.0548,
1.7184

128.0541,
129.6709, 187.7324

■ 0.0000, 0.0000,
0.3733

160.4405,

■ 0.0000, 0.0000,

162.9195, 231.2025

0.0000

197.8731,
201.4148, 280.9130

■ 19.2463, 18.8359,
34.5196

■ 19.2463, 18.8359,
34.5196

■ 15.9318, 14.9181,
33.9384

■ 23.1415, 23.3971,
35.1950

■ 13.1683, 11.6123,
33.4460

■ 27.6417, 28.6266,
35.9672

■ 10.9260, 8.8882,
33.0383

■ 32.7718, 34.5508,
36.8403

■ 9.1718, 6.7115,
32.7107

■ 38.5549, 41.1939,
37.8178

■ 7.8685, 5.0446,
32.4576

■ 45.0131, 48.5789,
38.9028

■ 6.9736, 3.8449,
32.2732

■ 52.1671, 56.7279,
40.0987

■ 6.4138, 3.0511,
32.1495

■ 60.0369, 65.6619,
41.4084

■ 6.3528, 2.9683,
32.1367

■ 68.6418, 75.4014,
42.8347

■ 78.0002, 85.9659,
44.3806

Harmonies

Analogous

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



17.0176, 18.8359, 34.9675



19.2463, 18.8359, 34.5196



21.2651, 18.8359, 29.8777

Triad

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



19.2463, 18.8359, 34.5196



20.9297, 18.8359, 12.7016



14.0384, 18.8359, 18.0370

Complementary

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



19.2463, 18.8359, 34.5196



27.8962, 30.4714, 19.7411

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.



14.9153, 18.8359, 13.3375



19.2463, 18.8359, 34.5196



18.8185, 18.8359, 10.7129

Square

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



19.2463, 18.8359, 34.5196



22.2911, 18.8359, 16.9788



16.6236, 18.8359, 10.9186



14.1322, 18.8359, 24.4977

Rectangle

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



19.2463, 18.8359, 34.5196



22.1642, 18.8359, 25.4836



16.6236, 18.8359, 10.9186



14.2262, 18.8359, 16.2281

Sweetspot

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



19.2469, 18.8366, 34.5200



49.0635, 50.7579, 64.3381



24.2647, 29.7692, 33.4274



10.5421, 10.8745, 14.1137



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.2469, 18.8366, 34.5200



30.7894, 29.3936, 61.1775



20.7450, 18.5931, 34.3941



6.3525, 6.5708, 8.3402



5.1764, 2.4443, 26.1062



0.1105, 0.0796, 0.4728

Inverse Universe

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



22.9693, 20.0650, 19.8026



38.5412, 32.0752, 30.5008



26.0091, 30.9689, 19.9366



6.6673, 6.6598, 7.0991



11.4110, 5.8690, 1.1494



0.2131, 0.1086, 0.0683

Previews

White Background



This preview shows how the XYZ color 19.2463, 18.8359, 34.5196 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 19.2463, 18.8359, 34.5196 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 19.2463, 18.8359, 34.5196

Background



This preview shows how black text looks on a background with the XYZ color 19.2463, 18.8359, 34.5196.



This preview shows how white text looks on a background with the XYZ color 19.2463, 18.8359,

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

19.2463, 18.8359, 34.5196

Protanopia

19.1130, 18.9430, 34.5473

Deuteranopia

19.2463, 18.8359, 34.5196



Tritanopia

17.3112, 18.9577, 24.5766

Trichromacy



Original Color

19.2463, 18.8359, 34.5196

Protanomaly

19.2382, 19.0075, 34.5531

Deuteranomaly

19.2463, 18.8359, 34.5196

Tritanomaly

17.9518, 18.8490, 27.8914

Monochromacy



Original Color

19.2463, 18.8359, 34.5196

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4908, 19.0057, 25.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2463, 18.8359, 34.5196 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(112, 118, 157)` looks like.

```
.text, #text, p{  
    color:rgb(112, 118, 157)  
}
```

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(112, 118, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 118, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.2463, 18.8359, 34.5196 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(112, 118, 157) }
```


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

```
.border{ border-color:rgb(112, 118, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 118, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 118, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 118, 157);  
box-shadow:4px 4px 4px 4px rgb(112, 118,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2463, 18.8359, 34.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 118, 157) }
```

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

```
.background{ background-color: rgb(112,  
118, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor