

Converting Colors

XYZ(17.9773, 16.8269, 58.2694)

Have a look what the booklet for
XYZ(17.9773, 16.8269, 58.2694)
contains.

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Color

**XYZ(17.9310, 16.7783,
58.1706)**

Conversions

Conversions Part 1

Format	Color
Hex	3371CA
RGB	51, 113, 202
RGB Percent	20%, 44%, 79%
CMY	0.8000, 0.5569, 0.2078
CMYK	0.75, 0.44, 0.00, 0.21
HSL	215°, 60%, 50%
HSV	215°, 75%, 79%
XYZ	17.9310, 16.7783, 58.1706
YIQ	104.6080, -65.5210, 14.5350

Conversions

Conversions Part 2

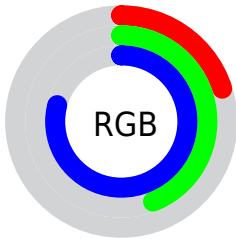
Format	Color
R_{YB}	51, 95, 202
Decimal	3371466
CIE _{Lab}	47.98, 10.99, -51.98
CIE _{LCh}	48, 53.125, 281.940
Yxy	16.7783, 0.1931, 0.1806
Android (android.graphics.Color)	4281561546 (0xFF3371CA)
YUV	104.6080, 48.0143, -47.0142
Hunter-Lab	40.9613, 6.4568, -55.5269

Details

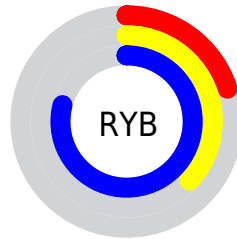
The XYZ color **17.9310, 16.7783, 58.1706** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **34.3346, 31.5549, 7.4142**, and the grayscale version is **13.2098, 13.8977, 15.1346**.

A 20% lighter version of the original color is **38.6616, 37.5528, 99.8185**, and **7.2147, 6.0030, 28.3822** is the 20% darker color. If you saturate the color by 10%, you get **15.8829, 13.8783, 57.7192**, and if you desaturate by 10%, it is **20.5967, 20.2557, 58.7017**.

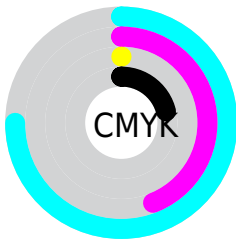
Distribution



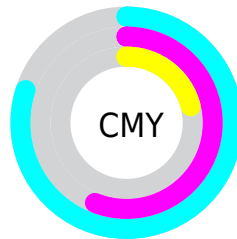
- Red (20%)
- Green (44%)
- Blue (79%)



- Red (20%)
- Yellow (37%)
- Blue (79%)



- Cyan (75%)
- Magenta (44%)
- Yellow (0%)
- Black (21%)



- Cyan (80%)
- Magenta (56%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9310, 16.7783, 58.1706 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 17.9310, 16.7783, 58.1706 by changing the saturation by 10% instead.

■ 17.9310, 16.7783,
58.1706

■ 17.9310, 16.7783,
58.1706

233.5350,
233.8915, 435.4373

■ 10.9998, 10.0766,
41.5302

■ 39.4507, 37.9442,
103.6885

■ 6.1340, 5.4497,
28.4108

■ 54.7700, 53.1771,
133.4031

■ 2.9682, 2.5135,
18.3938

■ 73.6160, 72.0226,
168.3128

■ 1.1370, 0.8834,
11.0607

■ 96.3542, 94.8650,
208.8362

■ 0.0557, 0.0000,
5.9930

■ 123.3498,
122.0887, 255.3918

■ 0.0000, 0.0000,
2.7721

154.9682,

■ 0.0000, 0.0000,

154.0781, 308.3981

0.9795

191.5748,
191.2175, 368.2738

■ 0.0000, 0.0000,
0.0000

■ 17.9310, 16.7783,
58.1706

■ 17.9310, 16.7783,
58.1706

■ 15.8829, 13.8783,
57.7192

■ 20.5967, 20.2557,
58.7017

■ 14.3816, 11.5088,
57.3409

■ 23.9350, 24.3479,
59.3156

■ 13.7489, 10.4406,
57.1681

■ 27.9967, 29.0903,
60.0169

■ 32.8268, 34.5144,
60.8093

■ 38.4661, 40.6496,
61.6963

■ 44.9526, 47.5234,
62.6812

■ 52.3216, 55.1615,
63.7671

■ 60.6066, 63.5884,
64.9570

■ 69.8389, 72.8273,
66.2537

Harmonies

Analogous

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



13.2574, 16.7783, 56.6063



17.9310, 16.7783, 58.1706



22.9340, 16.7783, 45.7753

Triad

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



17.9310, 16.7783, 58.1706



23.8319, 16.7783, 5.6968



8.6919, 16.7783, 11.2470

Complementary

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



17.9310, 16.7783, 58.1706



34.3346, 31.5549, 7.4142

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.



10.5466, 16.7783, 4.8288



17.9310, 16.7783, 58.1706



18.9784, 16.7783, 2.9108

Square

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



17.9310, 16.7783, 58.1706



26.7702, 16.7783, 13.3340



14.1155, 16.7783, 2.7017



8.5231, 16.7783, 24.2916

Rectangle

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



17.9310, 16.7783, 58.1706



25.5411, 16.7783, 33.7096



14.1155, 16.7783, 2.7017



9.1186, 16.7783, 8.4532

Sweetspot

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



17.9317, 16.7788, 58.1710



67.6800, 71.5551, 104.8521



27.1531, 44.8121, 31.6783



13.8739, 14.6603, 22.3484



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.9317, 16.7788, 58.1710



25.1466, 20.7996, 97.2971



13.9330, 7.7092, 56.6312



10.9737, 11.5878, 14.2287



8.9302, 6.8843, 36.8144



0.5348, 0.5034, 1.9239

Inverse Universe

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



28.5223, 16.1175, 17.2307



44.9718, 23.3262, 19.8135



42.8086, 53.3528, 11.1750



11.4001, 11.2888, 12.6415



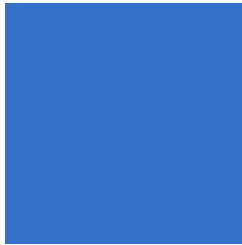
16.7184, 8.4980, 6.2360



0.8999, 0.4534, 0.5188

Previews

White Background



This preview shows how the XYZ color 17.9310, 16.7783, 58.1706 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 17.9310, 16.7783, 58.1706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

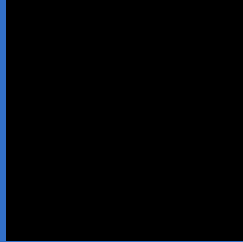
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9310, 16.7783, 58.1706

Background



This preview shows how black text looks on a background with the XYZ color 17.9310, 16.7783, 58.1706.



This preview shows how white text looks on a background with the XYZ color 17.9310, 16.7783,

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

17.9310, 16.7783, 58.1706

Protanopia

18.5572, 16.6531, 56.2691

Deuteranopia

17.2088, 16.7545, 57.5853



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

17.9310, 16.7783, 58.1706

Protanomaly

18.2241, 16.6290, 56.8928

Deuteranomaly

17.3593, 16.6637, 57.5598

Tritanomaly

13.3639, 16.3164, 35.2459

Monochromacy



Original Color

17.9310, 16.7783, 58.1706

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.8425, 14.5499, 26.8898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9310, 16.7783, 58.1706 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(51, 113, 202)` looks like.

```
.text, #text, p{  
    color:rgb(51, 113, 202)  
}
```

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(51, 113, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 113, 202) }
```

Border

The CSS property to change the border of an element to XYZ 17.9310, 16.7783, 58.1706 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(51, 113, 202) }
```


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

```
.border{ border-color:rgb(51, 113, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 113, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 113, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 113, 202);  
box-shadow:4px 4px 4px 4px rgb(51, 113,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9310, 16.7783, 58.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 113, 202) }
```

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

```
.background{ background-color: rgb(51, 113,  
202) }
```

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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