

Converting Colors

XYZ(19.0838, 16.5672, 58.0691)

Have a look what the booklet for
XYZ(19.0838, 16.5672, 58.0691)
contains.

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Color

**XYZ(19.0838, 16.5672,
58.0691)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6CCA
RGB	77, 108, 202
RGB Percent	30%, 42%, 79%
CMY	0.6980, 0.5765, 0.2078
CMYK	0.62, 0.47, 0.00, 0.21
HSL	225°, 54%, 55%
HSV	225°, 62%, 79%
XYZ	19.0838, 16.5672, 58.0691
YIQ	109.4470, -48.6500, 22.6620

Conversions

Conversions Part 2

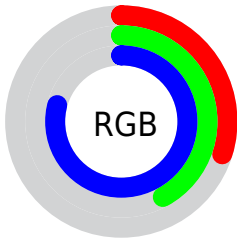
Format	Color
R_{YB}	77, 102, 202
Decimal	5074122
CIE _{Lab}	47.71, 18.17, -52.35
CIE _{LCh}	48, 55.410, 289.143
Yxy	16.5672, 0.2036, 0.1768
Android (android.graphics.Color)	4283264202 (0xFF4D6CCA)
YUV	109.4470, 45.6286, -28.4560
Hunter-Lab	40.7028, 12.4610, -56.0947

Details

The XYZ color **19.0838, 16.5672, 58.0691** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.2611, 42.2206, 13.0498**, and the grayscale version is **14.5477, 15.3054, 16.6675**.

A 20% lighter version of the original color is **40.6015, 37.2505, 99.6579**, and **6.9352, 5.4441, 28.2890** is the 20% darker color. If you saturate the color by 10%, you get **16.2348, 12.9239, 57.5164**, and if you desaturate by 10%, it is **22.7194, 21.0307, 58.7394**.

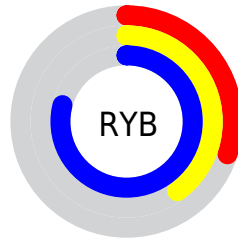
Distribution



Red (30%)

Green (42%)

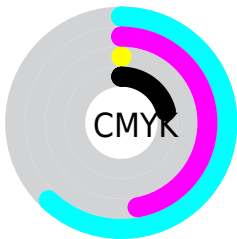
Blue (79%)



Red (30%)

Yellow (40%)

Blue (79%)

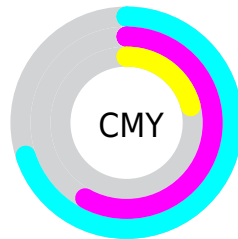


Cyan (62%)

Magenta (47%)

Yellow (0%)

Black (21%)



Cyan (70%)

Magenta (58%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0838, 16.5672, 58.0691 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 19.0838, 16.5672, 58.0691 by changing the saturation by 10% instead.

■ 19.0838, 16.5672,
58.0691

■ 19.0838, 16.5672,
58.0691

239.8402,
232.6658, 435.0488

■ 11.8352, 9.9264,
41.4491

■ 41.3914, 37.5801,
103.5392

■ 6.7030, 5.3502,
28.3479

■ 57.1812, 52.7210,
133.2265

■ 3.3217, 2.4542,
18.3467

■ 76.5487, 71.4641,
168.1066

■ 1.3261, 0.8535,
11.0272

■ 99.8593, 94.1938,
208.5981

■ 0.2026, 0.0000,
5.9707

127.4785,
121.2944, 255.1196

■ 0.0000, 0.0000,
2.7588

159.7714,

■ 0.0000, 0.0000,

153.1503, 308.0895

0.9728

197.1035,
190.1460, 367.9264

■ 0.0000, 0.0000,
0.0000

■ 19.0838, 16.5672,
58.0691

■ 19.0838, 16.5672,
58.0691

■ 16.2348, 12.9239,
57.5164

■ 22.7194, 21.0307,
58.7394

■ 14.1070, 10.0452,
57.0729

■ 27.1952, 26.3616,
59.5325

■ 12.6274, 7.8701,
56.7310

■ 32.5625, 32.6050,
60.4547

■ 11.8052, 6.5532,
56.5202

■ 38.8677, 39.8025,
61.5116

■ 46.1538, 47.9930,
62.7085

■ 54.4614, 57.2130,
64.0503

■ 63.8284, 67.4972,
65.5417

■ 74.2909, 78.8789,
67.1871

■ 84.4687, 90.6603,
68.9247

Harmonies

Analogous

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



14.0187, 16.5672, 60.3236



19.0838, 16.5672, 58.0691



24.1122, 16.5672, 42.4375

Triad

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



19.0838, 16.5672, 58.0691



22.8413, 16.5672, 4.2674



8.1180, 16.5672, 13.3702

Complementary

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



19.0838, 16.5672, 58.0691



40.2611, 42.2206, 13.0498

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.



9.5815, 16.5672, 5.4258



19.0838, 16.5672, 58.0691



17.6111, 16.5672, 2.3176

Square

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



19.0838, 16.5672, 58.0691



26.5768, 16.5672, 10.4860



12.8231, 16.5672, 2.5874



8.3493, 16.5672, 28.5534

Rectangle

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



19.0838, 16.5672, 58.0691



26.4389, 16.5672, 29.6079



12.8231, 16.5672, 2.5874



8.4133, 16.5672, 9.9608

Sweetspot

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



19.0845, 16.5677, 58.0695



68.8745, 70.8566, 104.6544



31.5088, 46.7502, 45.7673



14.0165, 14.3462, 22.2803



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.



19.0845, 16.5677, 58.0695



26.2324, 20.2195, 97.1279



19.5305, 12.7771, 57.3144



10.8240, 11.2884, 14.1788



7.6565, 4.3369, 36.3898



0.4568, 0.3475, 1.8979

Inverse Universe

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



29.7185, 18.9480, 16.2787



46.1916, 26.3859, 18.3083



39.2011, 51.4074, 14.8789



11.3245, 11.2585, 12.2436



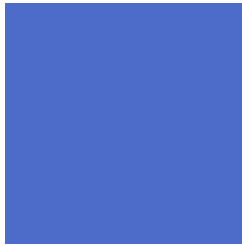
16.0755, 8.2408, 2.8504



0.8605, 0.4376, 0.3115

Previews

White Background



This preview shows how the XYZ color 19.0838, 16.5672, 58.0691 looks on a white background.

Color Contrast Check

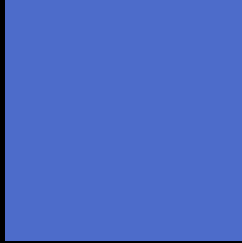
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0838, 16.5672, 58.0691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

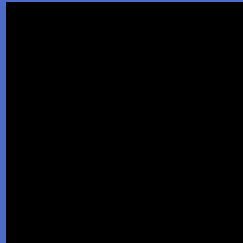
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0838, 16.5672, 58.0691

Background



This preview shows how black text looks on a background with the XYZ color 19.0838, 16.5672, 58.0691.



This preview shows how white text looks on a background with the XYZ color 19.0838, 16.5672,

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

19.0838, 16.5672, 58.0691

Protanopia

18.7898, 16.7048, 59.3608

Deuteranopia

17.0077, 16.4961, 56.9312



Tritanopia

12.5070, 16.6501, 25.1089

Trichromacy



Original Color

19.0838, 16.5672, 58.0691

Protanomaly

18.8467, 16.5887, 58.7085

Deuteranomaly

17.5557, 16.4338, 57.5051

Tritanomaly

14.3120, 16.2723, 35.1874

Monochromacy



Original Color

19.0838, 16.5672, 58.0691

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.3563, 15.4618, 28.1617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0838, 16.5672, 58.0691 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(77, 108, 202)` looks like.

```
.text, #text, p{  
    color:rgb(77, 108, 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(77, 108, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 108, 202) }
```

Border

The CSS property to change the border of an element to XYZ 19.0838, 16.5672, 58.0691 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(77, 108, 202) }
```


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

```
.border{ border-color:rgb(77, 108, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 108, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 108, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 108, 202);  
box-shadow:4px 4px 4px 4px rgb(77, 108,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0838, 16.5672, 58.0691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 108, 202) }
```

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

```
.background{ background-color: rgb(77, 108,  
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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