

Converting Colors

XYZ(16.8769, 14.2819, 48.1725)

Have a look what the booklet for
XYZ(16.8769, 14.2819, 48.1725)
contains.

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Color

**XYZ(16.8920, 14.3079,
48.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	5363BA
RGB	83, 99, 186
RGB Percent	33%, 39%, 73%
CMY	0.6745, 0.6118, 0.2706
CMYK	0.55, 0.47, 0.00, 0.27
HSL	231°, 43%, 53%
HSV	231°, 55%, 73%
XYZ	16.8920, 14.3079, 48.3258
YIQ	104.1340, -37.4630, 23.6650

Conversions

Conversions Part 2

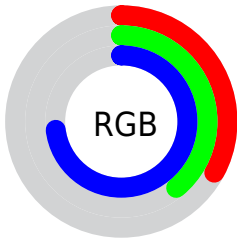
Format	Color
R_{YB}	83, 97, 186
Decimal	5465018
CIE _{Lab}	44.67, 19.60, -47.95
CIE _{LCh}	45, 51.804, 292.233
Yxy	14.3079, 0.2124, 0.1799
Android (android.graphics.Color)	4283655098 (0xFF5363BA)
YUV	104.1340, 40.3599, -18.5345
Hunter-Lab	37.8258, 13.5183, -49.2702

Details

The XYZ color **16.8920, 14.3079, 48.3258** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **36.1866, 39.8143, 13.9621**, and the grayscale version is **13.0971, 13.7791, 15.0055**.

A 20% lighter version of the original color is **37.5726, 33.4549, 89.2712**, and **5.6191, 4.3055, 22.3647** is the 20% darker color. If you saturate the color by 10%, you get **14.1192, 10.8799, 47.8106**, and if you desaturate by 10%, it is **20.3957, 18.5429, 48.9589**.

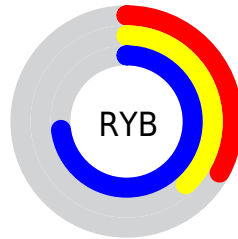
Distribution



Red (33%)

Green (39%)

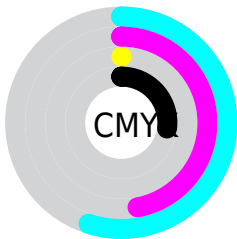
Blue (73%)



Red (33%)

Yellow (38%)

Blue (73%)

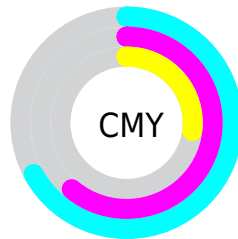


Cyan (55%)

Magenta (47%)

Yellow (0%)

Black (27%)



Cyan (67%)

Magenta (61%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8920, 14.3079, 48.3258 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 16.8920, 14.3079, 48.3258 by changing the saturation by 10% instead.

■ 16.8920, 14.3079,
48.3258

■ 16.8920, 14.3079,
48.3258

227.7176,
219.1380, 396.6280

■ 10.2523, 8.3351,
33.7231

■ 37.6851, 33.6344,
89.0599

■ 5.6301, 4.3101,
22.4054

■ 52.5692, 47.7568,
116.0284

■ 2.6600, 1.8485,
13.9539

■ 70.9322, 65.3647,
147.9559

■ 0.9766, 0.5171,
7.9502

■ 93.1394, 86.8422,
185.2610

■ 0.0000, 0.0000,
3.9758

119.5562,
112.5740, 228.3622

■ 0.0000, 0.0000,
1.6121

150.5479,

■ 0.0000, 0.0000,

142.9442, 277.6781

0.2994

186.4800,
178.3374, 333.6272

■ 0.0000, 0.0000,
0.0000

■ 16.8920, 14.3079,
48.3258

■ 16.8920, 14.3079,
48.3258

■ 14.1192, 10.8799,
47.8106

■ 20.3957, 18.5429,
48.9589

■ 12.0227, 8.2051,
47.4048

■ 24.6762, 23.6311,
49.7154

■ 10.5425, 6.2253,
47.1007

■ 29.7774, 29.6166,
50.6019

■ 9.6063, 4.8720,
46.8888

■ 35.7398, 36.5404,
51.6240

■ 9.2997, 4.4186,
46.8174

■ 42.6008, 44.4405,
52.7873

■ 50.3958, 53.3531,
54.0968

■ 59.1581, 63.3125,
55.5573

■ 68.9197, 74.3512,
57.1735

■ 79.7107, 86.5005,
58.9498

Harmonies

Analogous

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



12.5359, 14.3079, 51.6056



16.8920, 14.3079, 48.3258



21.0405, 14.3079, 34.4888

Triad

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



16.8920, 14.3079, 48.3258



19.1738, 14.3079, 3.5104



7.0605, 14.3079, 12.6554

Complementary

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



16.8920, 14.3079, 48.3258



36.1866, 39.8143, 13.9621

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.



8.1588, 14.3079, 5.2681



16.8920, 14.3079, 48.3258



14.7210, 14.3079, 2.0582

Square

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



16.8920, 14.3079, 48.3258



22.5357, 14.3079, 8.3599



10.7648, 14.3079, 2.4748



7.4062, 14.3079, 26.0798

Rectangle

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



16.8920, 14.3079, 48.3258



22.8386, 14.3079, 23.7630



10.7648, 14.3079, 2.4748



7.2635, 14.3079, 9.5295

Sweetspot

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



16.8926, 14.3084, 48.3262



62.5956, 63.7036, 93.1983



28.2725, 39.8156, 43.6498



13.2902, 13.4556, 20.4393



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



16.8926, 14.3084, 48.3262



24.8546, 18.7930, 86.5188



19.3379, 13.5375, 48.0485



8.6308, 8.9387, 11.3499



6.2927, 3.0450, 31.5092



0.2575, 0.1787, 1.1227

Inverse Universe

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



25.5956, 17.5272, 13.8388



42.4130, 26.0770, 16.7628



32.0074, 42.3861, 14.6788



9.0600, 9.0344, 9.6632



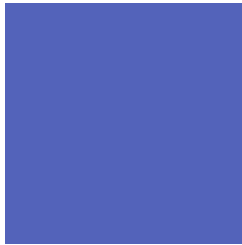
13.7899, 7.0897, 1.5146



0.5041, 0.2571, 0.1482

Previews

White Background



This preview shows how the XYZ color 16.8920, 14.3079, 48.3258 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 16.8920, 14.3079, 48.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

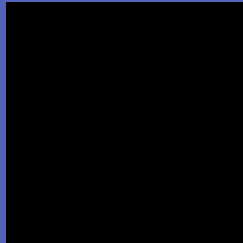
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8920, 14.3079, 48.3258

Background



This preview shows how black text looks on a background with the XYZ color 16.8920, 14.3079, 48.3258.



This preview shows how white text looks on a background with the XYZ color 16.8920, 14.3079,

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

16.8920, 14.3079, 48.3258

Protanopia

15.9866, 14.2336, 50.0489

Deuteranopia

14.7845, 14.4272, 47.3529



Tritanopia

11.4559, 14.4253, 20.9195

Trichromacy



Original Color

16.8920, 14.3079, 48.3258

Protanomaly

16.2566, 14.2403, 49.4688

Deuteranomaly

15.3382, 14.2442, 47.8399

Tritanomaly

13.0408, 14.2415, 29.2557

Monochromacy



Original Color

16.8920, 14.3079, 48.3258

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.8783, 13.7108, 24.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8920, 14.3079, 48.3258 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(83, 99, 186)` looks like.

```
.text, #text, p{  
    color:rgb(83, 99, 186)  
}
```

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(83, 99, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 99, 186) }
```

Border

The CSS property to change the border of an element to XYZ 16.8920, 14.3079, 48.3258 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(83, 99, 186) }
```


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

```
.border{ border-color:rgb(83, 99, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 99, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 99, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 99, 186);  
box-shadow:4px 4px 4px 4px rgb(83, 99,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8920, 14.3079, 48.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 99, 186) }
```

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

```
.background{ background-color: rgb(83, 99,  
186) }
```

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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