

Converting Colors

XYZ(16.8881, 18.4879, 35.0713)

Have a look what the booklet for
XYZ(16.8881, 18.4879, 35.0713)
contains.

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Color

**XYZ(16.9107, 18.5194,
35.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	547B9E
RGB	84, 123, 158
RGB Percent	33%, 48%, 62%
CMY	0.6706, 0.5176, 0.3804
CMYK	0.47, 0.22, 0.00, 0.38
HSL	208°, 31%, 47%
HSV	208°, 47%, 62%
XYZ	16.9107, 18.5194, 35.0311
YIQ	115.3290, -34.4790, 2.6170

Conversions

Conversions Part 2

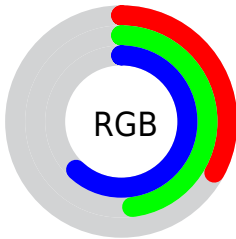
Format	Color
R_{YB}	84, 110, 158
Decimal	5536670
CIE _{Lab}	50.12, -3.78, -23.04
CIE _{LCh}	50, 23.352, 260.680
Yxy	18.5194, 0.2400, 0.2628
Android (android.graphics.Color)	4283726750 (0xFF547B9E)
YUV	115.3290, 21.0368, -27.4755
Hunter-Lab	43.0342, -5.1665, -18.1399

Details

The XYZ color **16.9107, 18.5194, 35.0311** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.2981, 21.1035, 11.2863**, and the grayscale version is **16.3417, 17.1928, 18.7229**.

A 20% lighter version of the original color is **37.6567, 40.7824, 68.8379**, and **5.5857, 6.2142, 14.5407** is the 20% darker color. If you saturate the color by 10%, you get **14.7610, 16.0874, 34.6753**, and if you desaturate by 10%, it is **19.4514, 21.2588, 35.4263**.

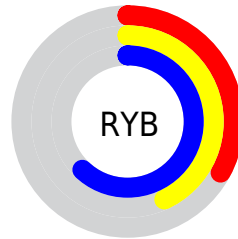
Distribution



Red (33%)

Green (48%)

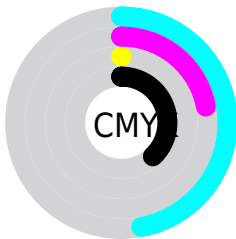
Blue (62%)



Red (33%)

Yellow (43%)

Blue (62%)

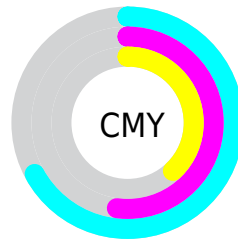


Cyan (47%)

Magenta (22%)

Yellow (0%)

Black (38%)



Cyan (67%)

Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9107, 18.5194, 35.0311 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 16.9107, 18.5194, 35.0311 by changing the saturation by 10% instead.

■ 16.9107, 18.5194,
35.0311

■ 16.9107, 18.5194,
35.0311

227.8235,
243.7826, 339.6140

■ 10.2658, 11.3235,
23.4031

■ 37.7170, 40.9204,
68.6861

■ 5.6391, 6.2849,
14.6833

■ 52.6091, 56.8943,
91.5501

■ 2.6655, 3.0191,
8.4533

■ 70.9809, 76.5630,
118.9965

■ 0.9794, 1.1417,
4.2944

■ 93.1978, 100.3110,
151.4440

■ 0.0000, 0.0133,
1.7882

■ 119.6251,
128.5225, 189.3109

■ 0.0000, 0.0000,
0.4202

150.6283,

■ 0.0000, 0.0000,

161.5820, 233.0158

0.0000

186.5727,
199.8739, 282.9774

■ 16.9107, 18.5194,
35.0311

■ 16.9107, 18.5194,
35.0311

■ 14.7610, 16.0874,
34.6753

■ 19.4514, 21.2588,
35.4263

■ 12.9771, 13.9465,
34.3561

■ 22.4025, 24.3166,
35.8610

■ 11.5337, 12.0813,
34.0722

■ 25.7842, 27.7060,
36.3369

■ 10.4008, 10.4740,
33.8216

■ 29.6147, 31.4384,
36.8555

■ 9.5332, 9.0987,
33.6019

■ 33.9112, 35.5247,
37.4178

■ 9.2857, 8.6967,
33.5374

■ 38.6898, 39.9752,
38.0249

■ 43.9661, 44.8000,
38.6781

■ 49.7545, 50.0084,
39.3784

■ 56.0693, 55.6096,
40.1267

Harmonies

Analogous

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



15.0003, 18.5194, 31.3506



16.9107, 18.5194, 35.0311



19.1748, 18.5194, 34.1216

Triad

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



16.9107, 18.5194, 35.0311



21.9684, 18.5194, 16.0972



14.4625, 18.5194, 13.2876

Complementary

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



16.9107, 18.5194, 35.0311



22.2981, 21.1035, 11.2863

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.



16.1179, 18.5194, 10.6510



16.9107, 18.5194, 35.0311



20.4886, 18.5194, 12.0168

Square

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



16.9107, 18.5194, 35.0311



22.2264, 18.5194, 22.2385



18.3122, 18.5194, 10.2415



13.6683, 18.5194, 18.2236

Rectangle

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



16.9107, 18.5194, 35.0311



20.5759, 18.5194, 31.0973



18.3122, 18.5194, 10.2415



14.9297, 18.5194, 12.1513

Sweetspot

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



16.9113, 18.5201, 35.0315



48.5255, 51.9885, 66.2207



19.1854, 27.6598, 21.6346



10.6324, 11.4182, 14.8872



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.9113, 18.5201, 35.0315



26.7130, 29.1065, 62.9536



13.1935, 11.0845, 33.7923



6.5595, 6.9848, 8.4092



7.4765, 7.0446, 26.8729



0.1759, 0.2104, 0.4946

Inverse Universe

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



20.8466, 15.0405, 20.5440



34.9922, 22.9245, 32.2187



27.5115, 31.5302, 13.0241



6.7718, 6.7016, 7.6492



12.5720, 6.3334, 7.2632



0.2461, 0.1218, 0.2421

Previews

White Background



This preview shows how the XYZ color 16.9107, 18.5194, 35.0311 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 16.9107, 18.5194, 35.0311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

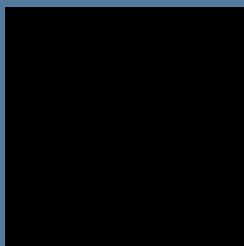
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

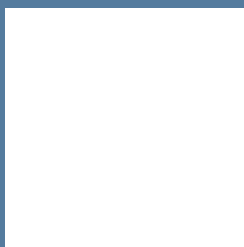
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9107, 18.5194, 35.0311

Background



This preview shows how black text looks on a background with the XYZ color 16.9107, 18.5194, 35.0311.

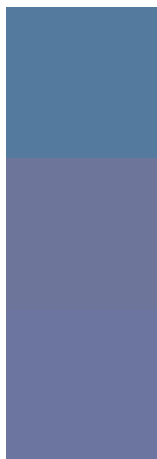


This preview shows how white text looks on a background with the XYZ color 16.9107, 18.5194,

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

16.9107, 18.5194, 35.0311

Protanopia

18.5007, 18.3069, 33.1303

Deuteranopia

18.8036, 18.4139, 35.3641



Tritanopia

15.2466, 18.6046, 26.4544

Trichromacy



Original Color

16.9107, 18.5194, 35.0311

Protanomaly

17.7688, 18.2695, 33.6002

Deuteranomaly

18.0004, 18.3495, 35.3940

Tritanomaly

15.8800, 18.6715, 29.5551

Monochromacy



Original Color

16.9107, 18.5194, 35.0311

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2841, 17.5386, 23.9998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9107, 18.5194, 35.0311 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(84, 123, 158)` looks like.

```
.text, #text, p{  
    color:rgb(84, 123, 158)  
}
```

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(84, 123, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 123, 158) }
```

Border

The CSS property to change the border of an element to XYZ 16.9107, 18.5194, 35.0311 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(84, 123, 158) }
```


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

```
.border{ border-color:rgb(84, 123, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 123, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 123, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 123, 158);  
box-shadow:4px 4px 4px 4px rgb(84, 123,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9107, 18.5194, 35.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 123, 158) }
```

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

```
.background{ background-color: rgb(84, 123,  
158) }
```

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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