

Converting Colors

XYZ(18.0717, 19.0179, 38.2284)

Have a look what the booklet for
XYZ(18.0717, 19.0179, 38.2284)
contains.

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Color

**XYZ(18.0909, 19.0562,
38.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7BA5
RGB	90, 123, 165
RGB Percent	35%, 48%, 65%
CMY	0.6470, 0.5176, 0.3529
CMYK	0.45, 0.25, 0.00, 0.35
HSL	214°, 29%, 50%
HSV	214°, 45%, 65%
XYZ	18.0909, 19.0562, 38.3220
YIQ	117.9210, -33.1500, 6.0660

Conversions

Conversions Part 2

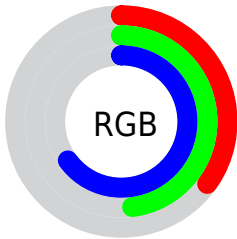
Format	Color
R _Y B	90, 113, 165
Decimal	5929893
CIE Lab	50.75, -0.11, -26.12
CIE LCh	51, 26.117, 269.751
Yxy	19.0562, 0.2397, 0.2525
Android (android.graphics.Color)	4284119973 (0xFF5A7BA5)
YUV	117.9210, 23.2099, -24.4867
Hunter-Lab	43.6534, -2.4193, -21.4915

Details

The XYZ color **18.0909, 19.0562, 38.3220** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.6142, 25.2405, 13.1954**, and the grayscale version is **17.1328, 18.0251, 19.6293**.

A 20% lighter version of the original color is **39.5759, 41.6669, 73.6668**, and **6.2597, 6.6177, 16.5702** is the 20% darker color. If you saturate the color by 10%, you get **15.5680, 16.1339, 37.8913**, and if you desaturate by 10%, it is **21.0795, 22.3800, 38.8064**.

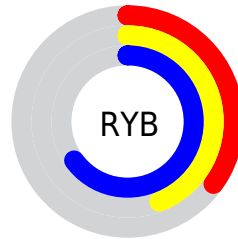
Distribution



Red (35%)

Green (48%)

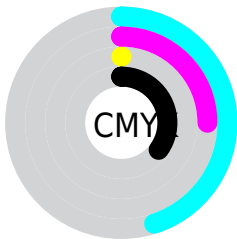
Blue (65%)



Red (35%)

Yellow (44%)

Blue (65%)

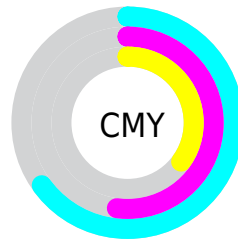


Cyan (45%)

Magenta (25%)

Yellow (0%)

Black (35%)



Cyan (65%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0909, 19.0562, 38.3220 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 18.0909, 19.0562, 38.3220 by changing the saturation by 10% instead.

■ 18.0909, 19.0562,
38.3220

■ 18.0909, 19.0562,
38.3220

234.4186,
246.7588, 354.3388

■ 11.1154, 11.7109,
25.9289

■ 39.7210, 41.8290,
73.8103

■ 6.2123, 6.5471,
16.5452

■ 55.1063, 58.0254,
97.7426

■ 3.0165, 3.1805,
9.7522

■ 74.0256, 77.9408,
126.3584

■ 1.1625, 1.2267,
5.1315

■ 96.8441, 101.9598,
160.0763

■ 0.0764, 0.0833,
2.2646

123.9273,
130.4667, 199.3147

■ 0.0000, 0.0000,
0.7113

155.6406,

■ 0.0000, 0.0000,

163.8459, 244.4922

0.0000

192.3492,
202.4818, 296.0274

■ 18.0909, 19.0562,
38.3220

■ 18.0909, 19.0562,
38.3220

■ 15.5680, 16.1339,
37.8913

■ 21.0795, 22.3800,
38.8064

■ 13.4821, 13.5927,
37.5107

■ 24.5565, 26.1201,
39.3450

■ 11.8040, 11.4133,
37.1785

■ 28.5452, 30.2929,
39.9402

■ 10.4995, 9.5732,
36.8921

■ 33.0667, 34.9133,
40.5938

■ 9.5256, 8.0452,
36.6485

■ 38.1411, 39.9955,
41.3073

■ 9.1480, 7.4295,
36.5495

■ 43.7871, 45.5528,
42.0824

■ 50.0228, 51.5981,
42.9206

■ 56.8653, 58.1438,
43.8234

■ 64.3310, 65.2016,
44.7922

Harmonies

Analogous

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



15.7396, 19.0562, 35.4993



18.0909, 19.0562, 38.3220



20.6717, 19.0562, 35.5873

Triad

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



18.0909, 19.0562, 38.3220



22.7407, 19.0562, 14.4992



14.1771, 19.0562, 14.4156

Complementary

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



18.0909, 19.0562, 38.3220



25.6142, 25.2405, 13.1954

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.



15.7734, 19.0562, 10.7428



18.0909, 19.0562, 38.3220



20.7123, 19.0562, 10.7825

Square

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



18.0909, 19.0562, 38.3220



23.5057, 19.0562, 20.8105



18.1338, 19.0562, 9.5866



13.6144, 19.0562, 20.6876

Rectangle

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



18.0909, 19.0562, 38.3220



22.1436, 19.0562, 31.2791



18.1338, 19.0562, 9.5866



14.6027, 19.0562, 12.8951

Sweetspot

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



18.0915, 19.0569, 38.3225



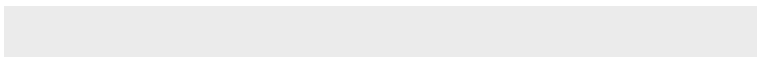
52.0399, 55.1994, 71.6641



21.7858, 30.7298, 26.3455



11.0345, 11.7139, 15.6169



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.0915, 19.0569, 38.3225



27.6537, 28.6244, 67.8199



15.0388, 12.3961, 37.1977



6.9449, 7.3489, 8.9555



6.9687, 5.7168, 27.6659



0.1932, 0.2137, 0.5969

Inverse Universe

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



22.7489, 16.7423, 20.7722



37.3718, 24.9087, 30.9494



30.0494, 35.2519, 14.8940



7.1972, 7.1353, 8.0247



12.6630, 6.4212, 5.4157



0.2897, 0.1444, 0.2381

Previews

White Background



This preview shows how the XYZ color 18.0909, 19.0562, 38.3220 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 18.0909, 19.0562, 38.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

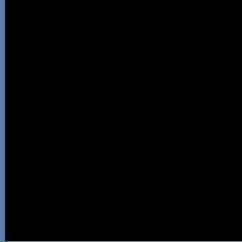
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

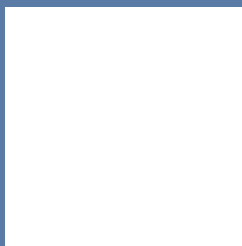
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0909, 19.0562, 38.3220

Background



This preview shows how black text looks on a background with the XYZ color 18.0909, 19.0562, 38.3220.

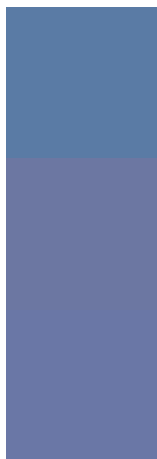


This preview shows how white text looks on a background with the XYZ color 18.0909, 19.0562,

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

18.0909, 19.0562, 38.3220

Protanopia

19.3028, 18.9904, 36.8306

Deuteranopia

19.4236, 19.0110, 38.7221



Tritanopia

15.7863, 19.0672, 26.8931

Trichromacy



Original Color

18.0909, 19.0562, 38.3220

Protanomaly

18.6942, 18.8440, 37.3023

Deuteranomaly

18.8549, 18.8954, 38.7298

Tritanomaly

16.5525, 18.9911, 30.8102

Monochromacy



Original Color

18.0909, 19.0562, 38.3220

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2740, 18.3704, 25.5571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0909, 19.0562, 38.3220 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(90, 123, 165) looks like.

```
.text, #text, p{  
    color:rgb(90, 123, 165)  
}
```

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(90, 123, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 123, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.0909, 19.0562, 38.3220 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(90, 123, 165) }
```


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

```
.border{ border-color:rgb(90, 123, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 123, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 123, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 123, 165);  
box-shadow:4px 4px 4px 4px rgb(90, 123,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0909, 19.0562, 38.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 123, 165) }
```

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

```
.background{ background-color: rgb(90, 123,  
165) }
```

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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