

Converting Colors

XYZ(20.1061, 18.9469, 50.5710)

Have a look what the booklet for
XYZ(20.1061, 18.9469, 50.5710)
contains.

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Color

**XYZ(20.0774, 18.9063,
50.7352)**

Conversions

Conversions Part 1

Format	Color
Hex	5C76BD
RGB	92, 118, 189
RGB Percent	36%, 46%, 74%
CMY	0.6392, 0.5372, 0.2588
CMYK	0.51, 0.38, 0.00, 0.26
HSL	224°, 42%, 55%
HSV	224°, 51%, 74%
XYZ	20.0774, 18.9063, 50.7352
YIQ	118.3200, -38.2870, 16.5690

Conversions

Conversions Part 2

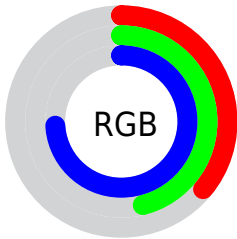
Format	Color
R_{YB}	92, 113, 189
Decimal	6059709
CIE _{Lab}	50.58, 10.81, -40.26
CIE _{LCh}	51, 41.689, 285.024
Yxy	18.9063, 0.2238, 0.2107
Android (android.graphics.Color)	4284249789 (0xFF5C76BD)
YUV	118.3200, 34.8452, -23.0826
Hunter-Lab	43.4814, 6.3295, -38.7442

Details

The XYZ color **20.0774, 18.9063, 50.7352** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.0163, 37.7875, 15.5218**, and the grayscale version is **17.2236, 18.1205, 19.7333**.

A 20% lighter version of the original color is **43.0419, 41.6063, 92.9510**, and **7.1905, 6.4529, 23.7882** is the 20% darker color. If you saturate the color by 10%, you get **16.9081, 15.0290, 50.1542**, and if you desaturate by 10%, it is **23.9580, 23.5056, 51.4188**.

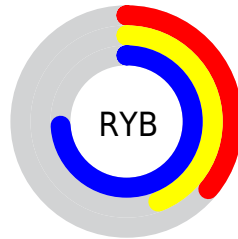
Distribution



Red (36%)

Green (46%)

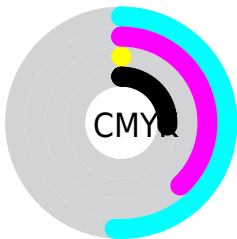
Blue (74%)



Red (36%)

Yellow (44%)

Blue (74%)

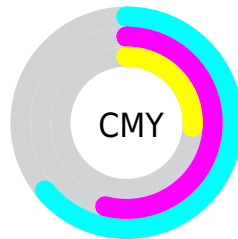


Cyan (51%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (64%)

Magenta (54%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0774, 18.9063, 50.7352 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 20.0774, 18.9063, 50.7352 by changing the saturation by 10% instead.

■ 20.0774, 18.9063,
50.7352

■ 20.0774, 18.9063,
50.7352

245.1594,
245.9310, 406.3512

■ 12.5599, 11.6026,
35.6226

■ 43.0499, 41.5757,
92.6707

■ 7.2011, 6.4737,
23.8555

■ 59.2356, 57.7102,
120.3308

■ 3.6356, 3.1352,
15.0153

■ 79.0413, 77.5571,
153.0104

■ 1.4981, 1.2027,
8.6834

■ 102.8326,
101.5007, 191.1282

■ 0.3246, 0.0639,
4.4413

130.9747,
129.9255, 235.1026

■ 0.0000, 0.0000,
1.8704

163.8329,

■ 0.0000, 0.0000,

163.2159, 285.3522

0.4738

201.7727,
201.7563, 342.2956

■ 0.0000, 0.0000,
0.0000

■ 20.0774, 18.9063,
50.7352

■ 20.0774, 18.9063,
50.7352

■ 16.9081, 15.0290,
50.1542

■ 23.9580, 23.5056,
51.4188

■ 14.4020, 11.8327,
49.6694

■ 28.5896, 28.8609,
52.2084

■ 12.5078, 9.2746,
49.2754

■ 34.0112, 35.0063,
53.1088

■ 11.1650, 7.3058,
48.9662

■ 40.2586, 41.9732,
54.1243

■ 10.3542, 6.0118,
48.7592

■ 47.3653, 49.7912,
55.2587

■ 55.3628, 58.4883,
56.5159

■ 64.2810, 68.0912,
57.8994

■ 74.1486, 78.6257,
59.4127

■ 82.3301, 88.7436,
60.9345

Harmonies

Analogous

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



16.0211, 18.9063, 50.7440



20.0774, 18.9063, 50.7352



24.0988, 18.9063, 40.8567

Triad

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



20.0774, 18.9063, 50.7352



24.0932, 18.9063, 8.4466



11.4163, 18.9063, 15.3166

Complementary

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



20.0774, 18.9063, 50.7352



36.0163, 37.7875, 15.5218

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.



12.9796, 18.9063, 8.4539



20.0774, 18.9063, 50.7352



20.0706, 18.9063, 5.6313

Square

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



20.0774, 18.9063, 50.7352



26.6447, 18.9063, 15.3018



16.0152, 18.9063, 5.6333



11.4176, 18.9063, 26.9644

Rectangle

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



20.0774, 18.9063, 50.7352



26.0450, 18.9063, 31.5828



16.0152, 18.9063, 5.6333



11.7645, 18.9063, 12.4933

Sweetspot

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



20.0781, 18.9070, 50.7357



67.5369, 70.1040, 96.1981



29.0907, 41.2626, 40.3897



14.0162, 14.5099, 20.6045



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.



20.0781, 18.9070, 50.7357



29.4516, 25.8770, 89.6687



19.8257, 14.8414, 49.9642



9.2190, 9.6302, 12.0451



7.0215, 4.1546, 32.8248



0.3311, 0.2749, 1.3045

Inverse Universe

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



28.0841, 19.7821, 19.4782



45.7853, 28.9224, 25.6152



36.2750, 45.4914, 16.9952



9.6324, 9.5772, 10.4531



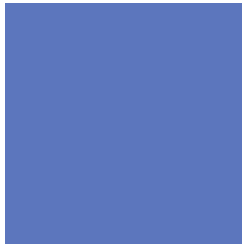
14.5449, 7.4491, 2.8970



0.5980, 0.3031, 0.2625

Previews

White Background



This preview shows how the XYZ color 20.0774, 18.9063, 50.7352 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 20.0774, 18.9063, 50.7352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

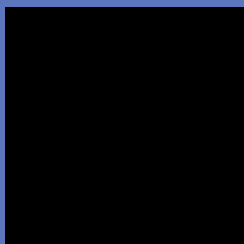
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

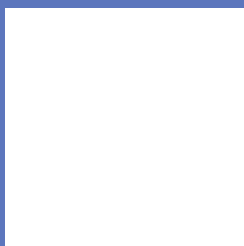
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0774, 18.9063, 50.7352

Background



This preview shows how black text looks on a background with the XYZ color 20.0774, 18.9063, 50.7352.

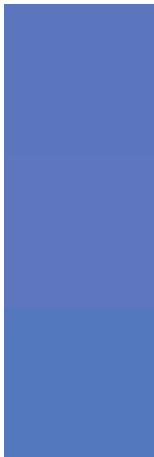


This preview shows how white text looks on a background with the XYZ color 20.0774, 18.9063,

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

20.0774, 18.9063, 50.7352

Protanopia

20.2798, 19.0107, 50.7447

Deuteranopia

19.4691, 18.9461, 50.7749



Tritanopia

15.2810, 18.7983, 27.2491

Trichromacy



Original Color

20.0774, 18.9063, 50.7352

Protanomaly

20.1779, 18.9581, 50.7399

Deuteranomaly

19.6199, 18.8462, 50.7477

Tritanomaly

16.6868, 18.5990, 34.6088

Monochromacy



Original Color

20.0774, 18.9063, 50.7352

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.8191, 18.2217, 28.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0774, 18.9063, 50.7352 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(92, 118, 189)` looks like.

```
.text, #text, p{  
    color:rgb(92, 118, 189)  
}
```

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(92, 118, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 118, 189) }
```

Border

The CSS property to change the border of an element to XYZ 20.0774, 18.9063, 50.7352 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(92, 118, 189) }
```


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

```
.border{ border-color:rgb(92, 118, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 118, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 118, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 118, 189);  
box-shadow:4px 4px 4px 4px rgb(92, 118,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0774, 18.9063, 50.7352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 118, 189) }
```

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

```
.background{ background-color: rgb(92, 118,  
189) }
```

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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