

Converting Colors

XYZ(20.0989, 18.8921, 51.8774)

Have a look what the booklet for
XYZ(20.0989, 18.8921, 51.8774)
contains.

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Color

**XYZ(20.0989, 18.8921,
51.8774)**

Conversions

Conversions Part 1

Format	Color
Hex	5A76BF
RGB	90, 118, 191
RGB Percent	35%, 46%, 75%
CMY	0.6470, 0.5372, 0.2510
CMYK	0.53, 0.38, 0.00, 0.25
HSL	223°, 44%, 55%
HSV	223°, 53%, 75%
XYZ	20.0989, 18.8921, 51.8774
YIQ	117.9500, -40.1210, 16.7670

Conversions

Conversions Part 2

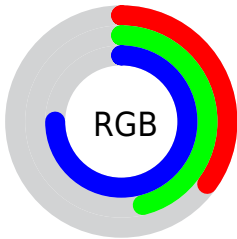
Format	Color
R_{YB}	90, 112, 191
Decimal	5928639
CIE _{Lab}	50.56, 10.98, -41.45
CIE _{LCh}	51, 42.879, 284.844
Yxy	18.8921, 0.2212, 0.2079
Android (android.graphics.Color)	4284118719 (0xFF5A76BF)
YUV	117.9500, 36.0137, -24.5121
Hunter-Lab	43.4650, 6.4773, -40.3396

Details

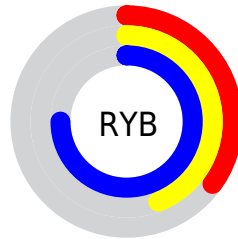
The XYZ color **20.0989, 18.8921, 51.8774** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.4298, 38.0108, 15.0909**, and the grayscale version is **17.1049, 17.9957, 19.5973**.

A 20% lighter version of the original color is **43.1721, 41.6378, 94.5684**, and **7.1844, 6.4333, 24.5300** is the 20% darker color. If you saturate the color by 10%, you get **16.9657, 15.0378, 51.2990**, and if you desaturate by 10%, it is **23.9488, 23.4697, 52.5584**.

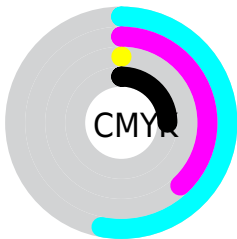
Distribution



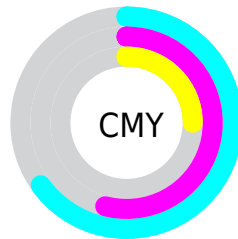
- Red (35%)
- Green (46%)
- Blue (75%)



- Red (35%)
- Yellow (44%)
- Blue (75%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (54%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0989, 18.8921, 51.8774 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 20.0989, 18.8921, 51.8774 by changing the saturation by 10% instead.

■ 20.0989, 18.8921,
51.8774

■ 20.0989, 18.8921,
51.8774

245.2734,
245.8524, 410.9066

■ 12.5756, 11.5923,
36.5258

■ 43.0856, 41.5517,
94.3751

■ 7.2120, 6.4667,
24.5476

■ 59.2798, 57.6803,
122.3584

■ 3.6425, 3.1309,
15.5244

■ 79.0949, 77.5207,
155.3892

■ 1.5020, 1.2005,
9.0376

■ 102.8965,
101.4572, 193.8862

■ 0.3272, 0.0621,
4.6685

131.0497,
129.8742, 238.2679

■ 0.0000, 0.0000,
1.9988

163.9201,

■ 0.0000, 0.0000,

163.1562, 288.9528

0.5545

201.8728,
201.6875, 346.3596

■ 0.0000, 0.0000,
0.0000

■ 20.0989, 18.8921,
51.8774

■ 20.0989, 18.8921,
51.8774

■ 16.9657, 15.0378,
51.2990

■ 23.9488, 23.4697,
52.5584

■ 14.4994, 11.8649,
50.8165

■ 28.5563, 28.8053,
53.3455

■ 12.6468, 9.3299,
50.4249

■ 33.9617, 34.9332,
54.2434

■ 11.3444, 7.3825,
50.1176

■ 40.2016, 41.8855,
55.2564

■ 10.6747, 6.3028,
49.9445

■ 47.3104, 49.6919,
56.3885

■ 55.3204, 58.3810,
57.6435

■ 64.2623, 67.9797,
59.0250

■ 74.1654, 78.5141,
60.5364

■ 82.4710, 88.6755,
62.0600

Harmonies

Analogous

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



15.9326, 18.8921, 51.8171



20.0989, 18.8921, 51.8774



24.2532, 18.8921, 41.6325

Triad

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



20.0989, 18.8921, 51.8774



24.2911, 18.8921, 8.2185



11.2525, 18.8921, 15.1115

Complementary

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



20.0989, 18.8921, 51.8774



36.4298, 38.0108, 15.0909

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.



12.8563, 18.8921, 8.1703



20.0989, 18.8921, 51.8774



20.1447, 18.8921, 5.3761

Square

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



20.0989, 18.8921, 51.8774



26.9172, 18.8921, 15.2107



15.9718, 18.8921, 5.3628



11.2442, 18.8921, 27.0607

Rectangle

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



20.0989, 18.8921, 51.8774



26.2741, 18.8921, 32.0110



15.9718, 18.8921, 5.3628



11.6103, 18.8921, 12.2431

Sweetspot

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



20.0996, 18.8928, 51.8779



68.0564, 70.6440, 98.3278



29.4038, 42.0582, 40.9306



14.4293, 14.9392, 21.5083



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.0996, 18.8928, 51.8779



29.8327, 26.2364, 91.7709



19.7285, 14.5123, 51.0519



9.2260, 9.6444, 12.0475



7.0744, 4.2604, 32.8424



0.3342, 0.2810, 1.3055

Inverse Universe

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



28.4127, 19.6978, 19.4445



46.6202, 29.1504, 25.9863



36.8642, 46.4483, 16.6966



9.6359, 9.5787, 10.4719



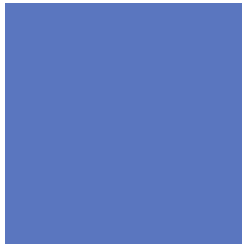
14.5716, 7.4598, 3.0376



0.5996, 0.3037, 0.2706

Previews

White Background



This preview shows how the XYZ color 20.0989, 18.8921, 51.8774 looks on a white background.

Color Contrast Check

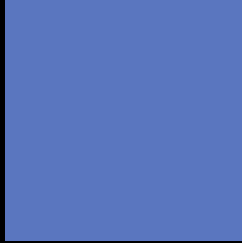
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0989, 18.8921, 51.8774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

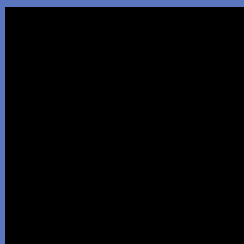
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

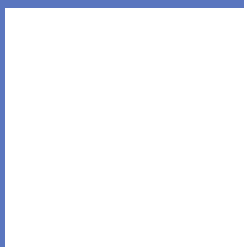
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0989, 18.8921, 51.8774

Background



This preview shows how black text looks on a background with the XYZ color 20.0989, 18.8921, 51.8774.

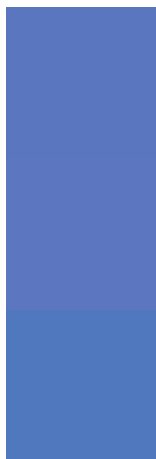


This preview shows how white text looks on a background with the XYZ color 20.0989, 18.8921,

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

20.0989, 18.8921, 51.8774

Protanopia

20.2960, 18.9938, 51.8867

Deuteranopia

19.4287, 18.9000, 51.9143



Tritanopia

15.1829, 18.9423, 27.2821

Trichromacy



Original Color

20.0989, 18.8921, 51.8774

Protanomaly

20.1968, 18.9426, 51.8820

Deuteranomaly

19.6570, 18.8401, 51.8907

Tritanomaly

16.7296, 18.7981, 35.0944

Monochromacy



Original Color

20.0989, 18.8921, 51.8774

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.7736, 18.1893, 29.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0989, 18.8921, 51.8774 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, 118, 191)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 191)  
}
```

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, 118, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 191) }
```

Border

The CSS property to change the border of an element to XYZ 20.0989, 18.8921, 51.8774 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, 118, 191) }
```


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

```
.border{ border-color:rgb(90, 118, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 191);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0989, 18.8921, 51.8774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 191) }
```

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

```
.background{ background-color: rgb(90, 118,  
191) }
```

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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