

Converting Colors

XYZ(21.3615, 19.5496, 58.6742)

Have a look what the booklet for
XYZ(21.3615, 19.5496, 58.6742)
contains.

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Color

**XYZ(21.3773, 19.5818,
58.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	5977CA
RGB	89, 119, 202
RGB Percent	35%, 47%, 79%
CMY	0.6510, 0.5333, 0.2078
CMYK	0.56, 0.41, 0.00, 0.21
HSL	224°, 52%, 57%
HSV	224°, 56%, 79%
XYZ	21.3773, 19.5818, 58.5301
YIQ	119.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

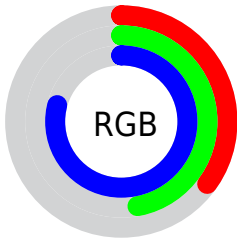
Format	Color
R _Y B	89, 113, 202
Decimal	5863370
CIE Lab	51.36, 13.72, -46.48
CIE LCh	51, 48.462, 286.448
Yxy	19.5818, 0.2149, 0.1968
Android (android.graphics.Color)	4284053450 (0xFF5977CA)
YUV	119.4920, 40.6764, -26.7415
Hunter-Lab	44.2513, 8.7914, -47.4454

Details

The XYZ color **21.3773, 19.5818, 58.5301** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **40.9140, 42.7846, 15.5541**, and the grayscale version is **17.5763, 18.4917, 20.1374**.

A 20% lighter version of the original color is **44.4670, 42.4568, 100.4591**, and **7.8290, 6.7725, 28.4984** is the 20% darker color. If you saturate the color by 10%, you get **18.0680, 15.4561, 57.9086**, and if you desaturate by 10%, it is **25.4956, 24.5343, 59.2694**.

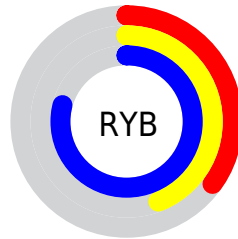
Distribution



Red (35%)

Green (47%)

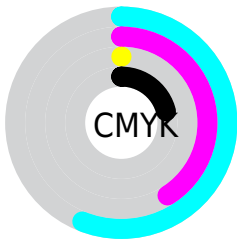
Blue (79%)



Red (35%)

Yellow (44%)

Blue (79%)

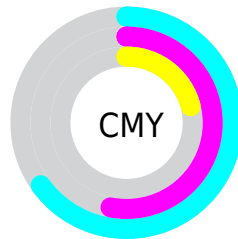


Cyan (56%)

Magenta (41%)

Yellow (0%)

Black (21%)



Cyan (65%)

Magenta (53%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3773, 19.5818, 58.5301 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 21.3773, 19.5818, 58.5301 by changing the saturation by 10% instead.

■ 21.3773, 19.5818,
58.5301

■ 21.3773, 19.5818,
58.5301

251.9708,
249.6421, 436.8116

■ 13.5141, 12.0914,
41.8174

■ 45.2012, 42.7149,
104.2168

■ 7.8629, 6.8060,
28.6339

■ 61.8926, 59.1264,
134.0279

■ 4.0584, 3.3411,
18.5608

■ 82.2574, 79.2805,
169.0423

■ 1.7352, 1.3123,
11.1798

■ 106.6611,
103.5614, 209.6784

■ 0.4782, 0.1507,
6.0722

135.4689,
132.3537, 256.3549

■ 0.0000, 0.0000,
2.8195

169.0462,

■ 0.0000, 0.0000,

166.0416, 309.4902

1.0032

207.7584,
205.0096, 369.5029

■ 0.0000, 0.0000,
0.0000

■ 21.3773, 19.5818,
58.5301

■ 21.3773, 19.5818,
58.5301

■ 18.0680, 15.4561,
57.9086

■ 25.4956, 24.5343,
59.2694

■ 15.5080, 12.1067,
57.3970

■ 30.4721, 30.3560,
60.1308

■ 13.6323, 9.4800,
56.9889

■ 36.3546, 37.0884,
61.1202

■ 12.3611, 7.5126,
56.6761

■ 43.1868, 44.7698,
62.2428

■ 11.9625, 6.8678,
56.5727

■ 51.0092, 53.4360,
63.5033

■ 59.8601, 63.1212,
64.9062

■ 69.7758, 73.8576,
66.4559

■ 80.7904, 85.6763,
68.1566

■ 86.8810, 95.4848,
69.7288

Harmonies

Analogous

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



16.5124, 19.5818, 59.2171



21.3773, 19.5818, 58.5301



26.2161, 19.5818, 45.5052

Triad

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



21.3773, 19.5818, 58.5301



25.7999, 19.5818, 7.2377



10.9425, 19.5818, 15.6585

Complementary

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



21.3773, 19.5818, 58.5301



40.9140, 42.7846, 15.5541

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.



12.6418, 19.5818, 7.7118



21.3773, 19.5818, 58.5301



20.8823, 19.5818, 4.4764

Square

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



21.3773, 19.5818, 58.5301



29.0572, 19.5818, 14.6218



16.0959, 19.5818, 4.6009



11.0283, 19.5818, 29.8064

Rectangle

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



21.3773, 19.5818, 58.5301



28.5288, 19.5818, 33.8634



16.0959, 19.5818, 4.6009



11.3093, 19.5818, 12.3356

Sweetspot

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



21.3781, 19.5825, 58.5306



71.5305, 74.0249, 105.1259



32.6748, 47.3390, 46.3787



14.7870, 15.2583, 22.4157



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.3781, 19.5825, 58.5306



29.6366, 24.9457, 97.8607



21.3526, 15.0799, 57.6629



10.8400, 11.3203, 14.1841



7.7607, 4.5455, 36.4246



0.4641, 0.3620, 1.9004

Inverse Universe

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



31.2600, 21.0342, 19.8657



48.4181, 29.2224, 24.0340



40.7461, 52.1504, 17.3708



11.3326, 11.2618, 12.2860



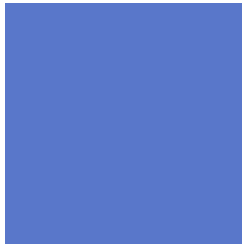
16.1282, 8.2619, 3.1277



0.8642, 0.4391, 0.3308

Previews

White Background



This preview shows how the XYZ color 21.3773, 19.5818, 58.5301 looks on a white background.

Color Contrast Check

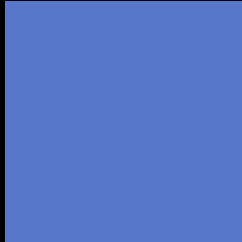
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3773, 19.5818, 58.5301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

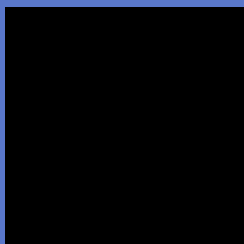
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3773, 19.5818, 58.5301

Background



This preview shows how black text looks on a background with the XYZ color 21.3773, 19.5818, 58.5301.

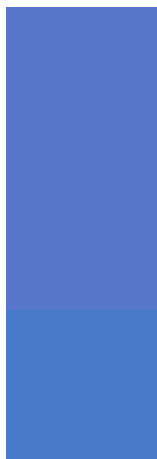


This preview shows how white text looks on a background with the XYZ color 21.3773, 19.5818,

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

21.3773, 19.5818, 58.5301

Protanopia

21.2820, 19.5326, 58.5256

Deuteranopia

20.2241, 19.7226, 57.9992



Tritanopia

15.3805, 19.6138, 28.5664

Trichromacy



Original Color

21.3773, 19.5818, 58.5301

Protanomaly

21.2820, 19.5326, 58.5256

Deuteranomaly

20.6440, 19.7558, 57.9835

Tritanomaly

17.1143, 19.3149, 37.9481

Monochromacy



Original Color

21.3773, 19.5818, 58.5301

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2060, 18.5517, 31.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3773, 19.5818, 58.5301 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(89, 119, 202)` looks like.

```
.text, #text, p{  
    color:rgb(89, 119, 202)  
}
```

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(89, 119, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 119, 202) }
```

Border

The CSS property to change the border of an element to XYZ 21.3773, 19.5818, 58.5301 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(89, 119, 202) }
```


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

```
.border{ border-color:rgb(89, 119, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 119, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 119, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 119, 202);  
box-shadow:4px 4px 4px 4px rgb(89, 119,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3773, 19.5818, 58.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 119, 202) }
```

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

```
.background{ background-color: rgb(89, 119,  
202) }
```

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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