

Converting Colors

XYZ(21.0627, 19.1727, 56.5626)

Have a look what the booklet for
XYZ(21.0627, 19.1727, 56.5626)
contains.

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Color

**XYZ(20.9845, 19.0702,
56.6078)**

Conversions

Conversions Part 1

Format	Color
Hex	5B75C7
RGB	91, 117, 199
RGB Percent	36%, 46%, 78%
CMY	0.6431, 0.5412, 0.2196
CMYK	0.54, 0.41, 0.00, 0.22
HSL	226°, 49%, 57%
HSV	226°, 54%, 78%
XYZ	20.9845, 19.0702, 56.6078
YIQ	118.5740, -41.8180, 19.9900

Conversions

Conversions Part 2

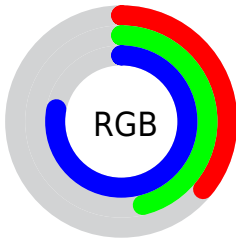
Format	Color
R_{YB}	91, 112, 199
Decimal	5993927
CIE _{Lab}	50.77, 14.40, -45.70
CIE _{LCh}	51, 47.914, 287.488
Yxy	19.0702, 0.2171, 0.1973
Android (android.graphics.Color)	4284184007 (0xFF5B75C7)
YUV	118.5740, 39.6500, -24.1824
Hunter-Lab	43.6694, 9.3532, -46.2878

Details

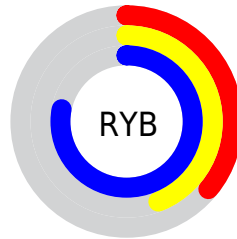
The XYZ color **20.9845, 19.0702, 56.6078** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **40.3865, 42.7868, 16.0289**, and the grayscale version is **17.2894, 18.1898, 19.8087**.

A 20% lighter version of the original color is **44.4507, 41.8918, 100.3509**, and **7.6142, 6.5029, 27.2394** is the 20% darker color. If you saturate the color by 10%, you get **17.6559, 14.9485, 55.9881**, and if you desaturate by 10%, it is **25.1189, 24.0296, 57.3476**.

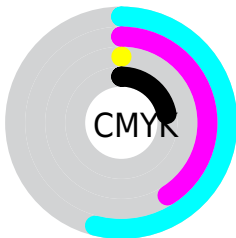
Distribution



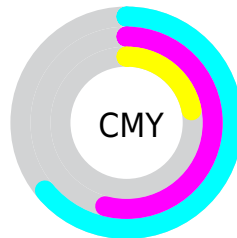
- Red (36%)
- Green (46%)
- Blue (78%)



- Red (36%)
- Yellow (44%)
- Blue (78%)



- Cyan (54%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (64%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9845, 19.0702, 56.6078 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 20.9845, 19.0702, 56.6078 by changing the saturation by 10% instead.

■ 20.9845, 19.0702,
56.6078

■ 20.9845, 19.0702,
56.6078

249.9294,
246.8360, 429.4306

■ 13.2251, 11.7210,
40.2832

■ 44.5532, 41.8527,
101.3873

■ 7.6618, 6.5540,
27.4439

■ 61.0932, 58.0548,
130.6793

■ 3.9293, 3.1848,
17.6715

■ 81.2907, 77.9766,
165.1309

■ 1.6622, 1.2289,
10.5474

■ 105.5112,
102.0026, 205.1605

■ 0.4324, 0.0852,
5.6531

134.1200,
130.5172, 251.1867

■ 0.0000, 0.0000,
2.5699

167.4823,

■ 0.0000, 0.0000,

163.9047, 303.6281

0.8769

205.9637,
202.5495, 362.9032

■ 0.0000, 0.0000,
0.0000

■ 20.9845, 19.0702,
56.6078

■ 20.9845, 19.0702,
56.6078

■ 17.6559, 14.9485,
55.9881

■ 25.1189, 24.0296,
57.3476

■ 15.0750, 11.6137,
55.4804

■ 30.1070, 29.8696,
58.2119

■ 13.1794, 9.0120,
55.0781

■ 35.9956, 36.6322,
59.2068

■ 11.8939, 7.0806,
54.7731

■ 42.8271, 44.3560,
60.3376

■ 11.3618, 6.2294,
54.6368

■ 50.6415, 53.0776,
61.6092

■ 59.4763, 62.8314,
63.0262

■ 69.3668, 73.6502,
64.5932

■ 80.3470, 85.5653,
66.3143

■ 86.6712, 95.6281,
67.9233

Harmonies

Analogous

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



16.2343, 19.0702, 57.7525



20.9845, 19.0702, 56.6078



25.6513, 19.0702, 43.6732

Triad

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



20.9845, 19.0702, 56.6078



24.9570, 19.0702, 6.9165



10.6464, 19.0702, 15.6387

Complementary

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



20.9845, 19.0702, 56.6078



40.3865, 42.7868, 16.0289

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.



12.2379, 19.0702, 7.7100



20.9845, 19.0702, 56.6078



20.1584, 19.0702, 4.3448

Square

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



20.9845, 19.0702, 56.6078



28.2037, 19.0702, 13.9068



15.5390, 19.0702, 4.5534



10.7897, 19.0702, 29.5705

Rectangle

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



20.9845, 19.0702, 56.6078



27.8408, 19.0702, 32.3567



15.5390, 19.0702, 4.5534



10.9829, 19.0702, 12.3354

Sweetspot

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



20.9853, 19.0708, 56.6083



72.5013, 74.8688, 105.2376



32.1851, 46.0503, 46.2230



14.9685, 15.4052, 22.4345



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.



20.9853, 19.0708, 56.6083



30.0636, 25.0957, 97.8672



21.5223, 15.4586, 55.8827



10.2606, 10.6952, 13.4411



7.3637, 4.1213, 35.1517



0.4071, 0.3121, 1.6839

Inverse Universe

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



30.5059, 20.9097, 19.2581



48.8055, 30.0353, 24.0454



39.3259, 50.3735, 17.5492



10.7368, 10.6781, 11.5972



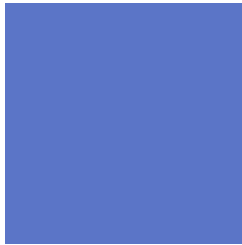
15.5162, 7.9560, 2.6621



0.7642, 0.3885, 0.2815

Previews

White Background



This preview shows how the XYZ color 20.9845, 19.0702, 56.6078 looks on a white background.

Color Contrast Check

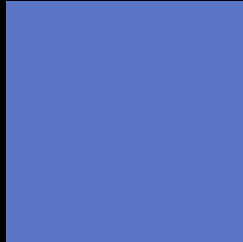
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9845, 19.0702, 56.6078 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 20.9845, 19.0702, 56.6078

Background



This preview shows how black text looks on a background with the XYZ color 20.9845, 19.0702, 56.6078.

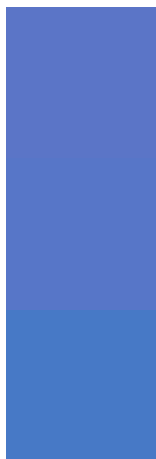


This preview shows how white text looks on a background with the XYZ color 20.9845, 19.0702,

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

20.9845, 19.0702, 56.6078

Protanopia

20.8342, 19.1532, 57.2424

Deuteranopia

19.6289, 19.0916, 56.0766



Tritanopia

15.2420, 19.1608, 27.7060

Trichromacy



Original Color

20.9845, 19.0702, 56.6078

Protanomaly

20.9283, 19.2017, 57.2468

Deuteranomaly

20.0514, 19.1299, 56.0617

Tritanomaly

16.9085, 18.8601, 36.4674

Monochromacy



Original Color

20.9845, 19.0702, 56.6078

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1304, 18.3462, 30.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9845, 19.0702, 56.6078 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(91, 117, 199)` looks like.

```
.text, #text, p{  
    color:rgb(91, 117, 199)  
}
```

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(91, 117, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 117, 199) }
```

Border

The CSS property to change the border of an element to XYZ 20.9845, 19.0702, 56.6078 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(91, 117, 199) }
```


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

```
.border{ border-color:rgb(91, 117, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 117, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 117, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 117, 199);  
box-shadow:4px 4px 4px 4px rgb(91, 117,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9845, 19.0702, 56.6078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 117, 199) }
```

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

```
.background{ background-color: rgb(91, 117,  
199) }
```

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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