

Converting Colors

XYZ(19.4715, 17.4411, 55.6245)

Have a look what the booklet for
XYZ(19.4715, 17.4411, 55.6245)
contains.

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Color

**XYZ(19.5545, 17.5046,
55.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	5370C6
RGB	83, 112, 198
RGB Percent	33%, 44%, 78%
CMY	0.6745, 0.5608, 0.2235
CMYK	0.58, 0.43, 0.00, 0.22
HSL	225°, 50%, 55%
HSV	225°, 58%, 78%
XYZ	19.5545, 17.5046, 55.7742
YIQ	113.1330, -44.8900, 20.5980

Conversions

Conversions Part 2

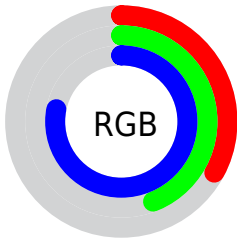
Format	Color
R _Y B	83, 106, 198
Decimal	5468358
CIE Lab	48.89, 15.47, -48.15
CIE LCh	49, 50.572, 287.817
Yxy	17.5046, 0.2106, 0.1886
Android (android.graphics.Color)	4283658438 (0xFF5370C6)
YUV	113.1330, 41.8394, -26.4266
Hunter-Lab	41.8385, 10.2101, -49.7516

Details

The XYZ color **19.5545, 17.5046, 55.7742** 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 **39.0393, 41.0081, 14.0425**, and the grayscale version is **15.6255, 16.4393, 17.9023**.

A 20% lighter version of the original color is **42.1317, 39.0771, 99.9298**, and **6.9108, 5.7960, 26.7411** is the 20% darker color. If you saturate the color by 10%, you get **16.5488, 13.7261, 55.2037**, and if you desaturate by 10%, it is **23.3291, 22.0788, 56.4585**.

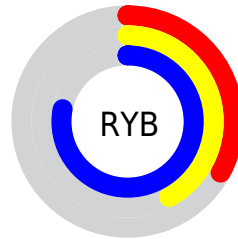
Distribution



Red (33%)

Green (44%)

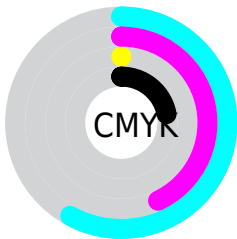
Blue (78%)



Red (33%)

Yellow (42%)

Blue (78%)

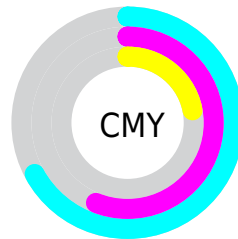


Cyan (58%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (67%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5545, 17.5046, 55.7742 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 19.5545, 17.5046, 55.7742 by changing the saturation by 10% instead.

■ 19.5545, 17.5046,
55.7742

■ 19.5545, 17.5046,
55.7742

242.3728,
238.0637, 426.2044

■ 12.1780, 10.5949,
39.6191

■ 42.1787, 39.1913,
100.1569

■ 6.9381, 5.7951,
26.9302

■ 58.1570, 54.7372,
129.2215

■ 3.4694, 2.7209,
17.2888

■ 77.7334, 73.9305,
163.4265

■ 1.4066, 0.9878,
10.2765

■ 101.2732, 97.1558,
203.1902

■ 0.2609, 0.0000,
5.4747

129.1416,
124.7973, 248.9314

■ 0.0000, 0.0000,
2.4648

161.7042,

■ 0.0000, 0.0000,

157.2396, 301.0684

0.8214

199.3261,
194.8669, 360.0199

■ 0.0000, 0.0000,
0.0000

■ 19.5545, 17.5046,
55.7742

■ 19.5545, 17.5046,
55.7742

■ 16.5488, 13.7261,
55.2037

■ 23.3291, 22.0788,
56.4585

■ 14.2530, 10.6927,
54.7392

■ 27.9212, 27.4912,
57.2612

■ 12.6022, 8.3501,
54.3740

■ 33.3779, 33.7835,
58.1881

■ 11.5035, 6.6272,
54.0994

■ 39.7419, 40.9935,
59.2444

■ 11.3306, 6.3521,
54.0554

■ 47.0530, 49.1573,
60.4348

■ 55.3486, 58.3085,
61.7640

■ 64.6641, 68.4793,
63.2361

■ 75.0329, 79.7003,
64.8555

■ 84.1669, 90.8049,
66.5175

Harmonies

Analogous

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



14.8048, 17.5046, 57.1302



19.5545, 17.5046, 55.7742



24.2609, 17.5046, 42.2163

Triad

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



19.5545, 17.5046, 55.7742



23.4633, 17.5046, 5.6063



9.2834, 17.5046, 14.1088

Complementary

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



19.5545, 17.5046, 55.7742



39.0393, 41.0081, 14.0425

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.



10.8062, 17.5046, 6.4389



19.5545, 17.5046, 55.7742



18.6157, 17.5046, 3.3142

Square

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



19.5545, 17.5046, 55.7742



26.7933, 17.5046, 12.1947



14.0262, 17.5046, 3.5233



9.4399, 17.5046, 28.1119

Rectangle

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



19.5545, 17.5046, 55.7742



26.4715, 17.5046, 30.5785



14.0262, 17.5046, 3.5233



9.6020, 17.5046, 10.8716

Sweetspot

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



19.5552, 17.5052, 55.7746



71.3764, 73.7166, 105.0745



30.7681, 45.0302, 43.7920



14.7509, 15.1862, 22.4037



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.



19.5552, 17.5052, 55.7746



27.9697, 22.5758, 97.4911



19.6970, 13.5692, 55.0075



10.2704, 10.7149, 13.4444



7.4270, 4.2478, 35.1728



0.4116, 0.3210, 1.6854

Inverse Universe

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



29.3073, 19.3631, 17.5225



47.3415, 27.8910, 21.1415



38.5871, 49.6899, 15.7421



10.7418, 10.6801, 11.6234



15.5481, 7.9688, 2.8303



0.7664, 0.3894, 0.2933

Previews

White Background



This preview shows how the XYZ color 19.5545, 17.5046, 55.7742 looks on a white 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

Black Background



This preview shows how the XYZ color 19.5545, 17.5046, 55.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

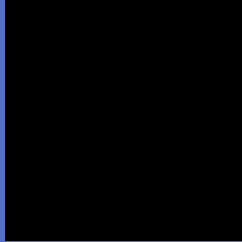
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5545, 17.5046, 55.7742

Background



This preview shows how black text looks on a background with the XYZ color 19.5545, 17.5046, 55.7742.

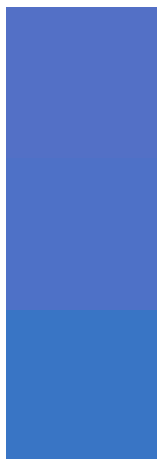


This preview shows how white text looks on a background with the XYZ color 19.5545, 17.5046,

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

19.5545, 17.5046, 55.7742

Protanopia

19.3558, 17.5535, 56.4008

Deuteranopia

18.1267, 17.6237, 55.2697



Tritanopia

13.5921, 17.5691, 25.9674

Trichromacy



Original Color

19.5545, 17.5046, 55.7742

Protanomaly

19.5222, 17.6392, 56.4086

Deuteranomaly

18.4555, 17.4509, 55.2190

Tritanomaly

15.3421, 17.3362, 35.3385

Monochromacy



Original Color

19.5545, 17.5046, 55.7742

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.4187, 16.6487, 28.7337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5545, 17.5046, 55.7742 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(83, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 198)  
}
```

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(83, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.5545, 17.5046, 55.7742 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(83, 112, 198) }
```


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

```
.border{ border-color:rgb(83, 112, 198) }
```

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

Here you see how a box with a 4 pixel rgb(83, 112, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5545, 17.5046, 55.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 198) }
```

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

```
.background{ background-color: rgb(83, 112,  
198) }
```

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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