

Converting Colors

XYZ(19.5273, 17.4313, 56.8285)

Have a look what the booklet for
XYZ(19.5273, 17.4313, 56.8285)
contains.

XYZ(19.6128, 17.5078, 56.9892)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6128, 17.5078,
56.9892)**

Conversions

Conversions Part 1

Format	Color
Hex	5170C8
RGB	81, 112, 200
RGB Percent	32%, 44%, 78%
CMY	0.6823, 0.5608, 0.2157
CMYK	0.59, 0.44, 0.00, 0.22
HSL	224°, 52%, 55%
HSV	224°, 59%, 78%
XYZ	19.6128, 17.5078, 56.9892
YIQ	112.7630, -46.7240, 20.7960

Conversions

Conversions Part 2

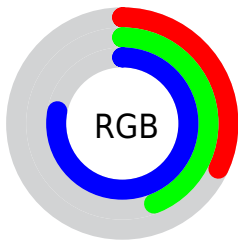
Format	Color
R _Y B	81, 106, 200
Decimal	5337288
CIE Lab	48.89, 15.75, -49.29
CIE LCh	49, 51.748, 287.719
Yxy	17.5078, 0.2084, 0.1860
Android (android.graphics.Color)	4283527368 (0xFF5170C8)
YUV	112.7630, 43.0078, -27.8562
Hunter-Lab	41.8423, 10.4444, -51.4633

Details

The XYZ color **19.6128, 17.5078, 56.9892** 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 **39.4939, 41.2514, 13.6664**, and the grayscale version is **15.5133, 16.3212, 17.7738**.

A 20% lighter version of the original color is **41.7947, 38.9034, 99.9140**, and **7.0011, 5.8249, 27.5434** is the 20% darker color. If you saturate the color by 10%, you get **16.6444, 13.7508, 56.4209**, and if you desaturate by 10%, it is **23.3554, 22.0622, 57.6714**.

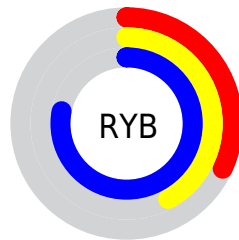
Distribution



Red (32%)

Green (44%)

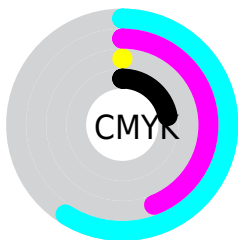
Blue (78%)



Red (32%)

Yellow (42%)

Blue (78%)

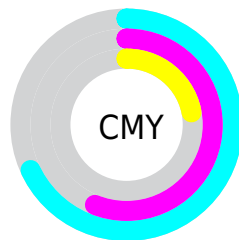


Cyan (59%)

Magenta (44%)

Yellow (0%)

Black (22%)



Cyan (68%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6128, 17.5078, 56.9892 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 19.6128, 17.5078, 56.9892 by changing the saturation by 10% instead.

■ 19.6128, 17.5078,
56.9892

■ 19.6128, 17.5078,
56.9892

242.6849,
238.0819, 430.9014

■ 12.2205, 10.5972,
40.5873

■ 42.2760, 39.1968,
101.9496

■ 6.9673, 5.7967,
27.6795

■ 58.2776, 54.7440,
131.3452

■ 3.4878, 2.7218,
17.8472

■ 77.8797, 73.9389,
165.9090

■ 1.4167, 0.9883,
10.6721

■ 101.4476, 97.1658,
206.0597

■ 0.2681, 0.0000,
5.7354

129.3467,
124.8092, 252.2157

■ 0.0000, 0.0000,
2.6187

161.9424,

■ 0.0000, 0.0000,

157.2534, 304.7957

0.9021

199.6000,
194.8828, 364.2181

■ 0.0000, 0.0000,
0.0000

■ 19.6128, 17.5078,
56.9892

■ 19.6128, 17.5078,
56.9892

■ 16.6444, 13.7508,
56.4209

■ 23.3554, 22.0622,
57.6714

■ 14.3892, 10.7399,
55.9586

■ 27.9223, 27.4574,
58.4721

■ 12.7796, 8.4193,
55.5955

■ 33.3620, 33.7356,
59.3972

■ 11.7038, 6.7082,
55.3219

■ 39.7183, 40.9353,
60.4519

■ 11.6577, 6.6347,
55.3101

■ 47.0320, 49.0929,
61.6410

■ 55.3414, 58.2426,
62.9691

■ 64.6828, 68.4168,
64.4406

■ 75.0904, 79.6467,
66.0596

■ 84.3527, 90.8049,
67.7252

Harmonies

Analogous

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



14.7525, 17.5078, 58.3478



19.6128, 17.5078, 56.9892



24.4517, 17.5078, 42.9693

Triad

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



19.6128, 17.5078, 56.9892



23.6596, 17.5078, 5.4262



9.1493, 17.5078, 13.9723

Complementary

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



19.6128, 17.5078, 56.9892



39.4939, 41.2514, 13.6664

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.



10.7001, 17.5078, 6.2308



19.6128, 17.5078, 56.9892



18.6834, 17.5078, 3.1384

Square

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



19.6128, 17.5078, 56.9892



27.0797, 17.5078, 12.0928



13.9850, 17.5078, 3.3376



9.3023, 17.5078, 28.2997

Rectangle

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



19.6128, 17.5078, 56.9892



26.7333, 17.5078, 30.9530



13.9850, 17.5078, 3.3376



9.4740, 17.5078, 10.6902

Sweetspot

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



19.6135, 17.5084, 56.9897



70.2440, 72.5324, 104.9056



31.1412, 45.8956, 44.3945



14.2907, 14.6881, 22.3318



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.



19.6135, 17.5084, 56.9897



27.7209, 22.3753, 97.4656



19.6468, 13.2926, 56.1742



10.2776, 10.7292, 13.4468



7.4750, 4.3439, 35.1888



0.4148, 0.3274, 1.6865

Inverse Universe

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



29.6871, 19.3350, 17.4970



47.1434, 27.5341, 20.9543



39.2047, 50.7003, 15.5055



10.7454, 10.6815, 11.6425



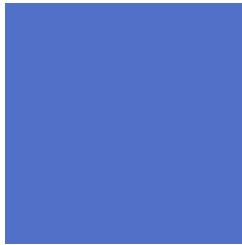
15.5724, 7.9785, 2.9579



0.7681, 0.3901, 0.3018

Previews

White Background



This preview shows how the XYZ color 19.6128, 17.5078, 56.9892 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 19.6128, 17.5078, 56.9892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

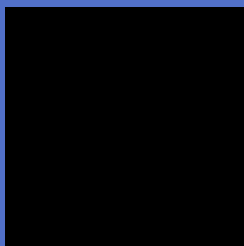
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6128, 17.5078, 56.9892

Background



This preview shows how black text looks on a background with the XYZ color 19.6128, 17.5078, 56.9892.



This preview shows how white text looks on a background with the XYZ color 19.6128, 17.5078,

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

19.6128, 17.5078, 56.9892

Protanopia

19.4282, 17.5638, 57.6245

Deuteranopia

18.0863, 17.5762, 56.4721



Tritanopia

13.3730, 17.4562, 25.9571

Trichromacy



Original Color

19.6128, 17.5078, 56.9892

Protanomaly

19.5896, 17.6470, 57.6321

Deuteranomaly

18.4894, 17.4418, 56.4249

Tritanomaly

15.1453, 17.2347, 35.3293

Monochromacy



Original Color

19.6128, 17.5078, 56.9892

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.3828, 16.6213, 29.1328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6128, 17.5078, 56.9892 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(81, 112, 200)` looks like.

```
.text, #text, p{  
    color:rgb(81, 112, 200)  
}
```

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(81, 112, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 112, 200) }
```

Border

The CSS property to change the border of an element to XYZ 19.6128, 17.5078, 56.9892 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(81, 112, 200) }
```


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

```
.border{ border-color:rgb(81, 112, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 112, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 112, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 112, 200);  
box-shadow:4px 4px 4px 4px rgb(81, 112,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6128, 17.5078, 56.9892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 112, 200) }
```

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

```
.background{ background-color: rgb(81, 112,  
200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor