

# Converting Colors

XYZ(20.5425, 19.6340, 30.6517)

Have a look what the booklet for  
XYZ(20.5425, 19.6340, 30.6517)  
contains.

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# Color

**XYZ(20.5761, 19.6070,  
30.7170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F7694
RGB	127, 118, 148
RGB Percent	50%, 46%, 58%
CMY	0.5020, 0.5372, 0.4196
CMYK	0.14, 0.20, 0.00, 0.42
HSL	258°, 12%, 52%
HSV	258°, 20%, 58%
XYZ	20.5761, 19.6070, 30.7170
YIQ	124.1110, -4.2660, 11.2380

# Conversions

## Conversions Part 2

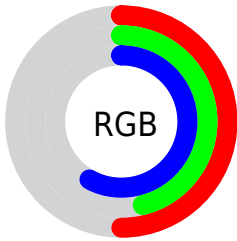
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 118, 148
Decimal	8353428
CIE Lab	51.39, 9.75, -14.98
CIE LCh	51, 17.874, 303.057
Yxy	19.6070, 0.2902, 0.2765
Android (android.graphics.Color)	4286543508 (0xFF7F7694)
YUV	124.1110, 11.7773, 2.5337
Hunter-Lab	44.2798, 5.4564, -10.1338

# Details

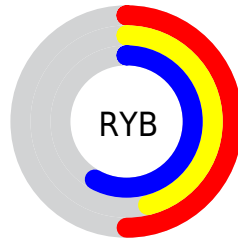
The XYZ color **20.5761, 19.6070, 30.7170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.5081, 27.9773, 21.2489**, and the grayscale version is **19.1586, 20.1564, 21.9503**.

A 20% lighter version of the original color is **43.8578, 42.7170, 61.8108**, and **7.4897, 6.8631, 12.2392** is the 20% darker color. If you saturate the color by 10%, you get **17.5037, 15.6361, 30.1128**, and if you desaturate by 10%, it is **24.0819, 24.2083, 31.4207**.

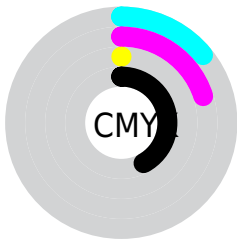
# Distribution



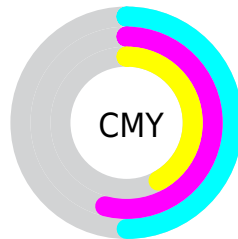
- Red (50%)
- Green (46%)
- Blue (58%)



- Red (50%)
- Yellow (46%)
- Blue (58%)



- Cyan (14%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (50%)
- Magenta (54%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5761, 19.6070, 30.7170 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 20.5761, 19.6070, 30.7170 by changing the saturation by 10% instead.



■ 20.5761, 19.6070,  
30.7170

■ 20.5761, 19.6070,  
30.7170

247.7916,  
249.7796, 319.5431

■ 12.9252, 12.1097,  
20.1268

■ 43.8776, 42.7573,  
61.8686

■ 7.4537, 6.8184,  
12.3023

■ 60.2589, 59.1791,  
83.2670

■ 3.7963, 3.3488,  
6.8248

■ 80.2810, 79.3445,  
109.1053

■ 1.5875, 1.3164,  
3.2760

104.3093,  
103.6379, 139.8020

■ 0.3843, 0.1539,  
1.2372

132.7092,  
132.4437, 175.7756

■ 0.0000, 0.0000,  
0.0095

165.8459,

■ 0.0000, 0.0000,

166.1463, 217.4446

0.0000

204.0850,  
205.1302, 265.2276

■ 20.5761, 19.6070,  
30.7170

■ 20.5761, 19.6070,  
30.7170

■ 17.5037, 15.6361,  
30.1128

■ 24.0819, 24.2083,  
31.4207

■ 14.8454, 12.2653,  
29.6023

■ 28.0357, 29.4637,  
32.2267

■ 12.5831, 9.4653,  
29.1810

■ 32.4537, 35.3986,  
33.1394

■ 10.6965, 7.2034,  
28.8439

■ 37.3507, 42.0363,  
34.1625

■ 9.1633, 5.4436,  
28.5850

■ 42.7408, 49.3992,  
35.2996

7.9590, 4.1451,  
28.3979

48.6376, 57.5084,  
36.5540

7.0549, 3.2607,  
28.2748

55.0541, 66.3843,  
37.9291

6.4011, 2.6824,  
28.1976

62.0029, 76.0465,  
39.4278

69.4959, 86.5138,  
41.0533

# Harmonies

## Analogous

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



18.8199, 19.6070, 32.7761



20.5761, 19.6070, 30.7170



21.8740, 19.6070, 26.1315

# Triad

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



20.5761, 19.6070, 30.7170



20.2386, 19.6070, 13.7150



15.4073, 19.6070, 21.8784

# Complementary

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



20.5761, 19.6070, 30.7170



24.5081, 27.9773, 21.2489

# 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.



15.7342, 19.6070, 17.1883



20.5761, 19.6070, 30.7170



18.4530, 19.6070, 12.9441

# Square

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



20.5761, 19.6070, 30.7170



21.6705, 19.6070, 16.4128



16.8216, 19.6070, 14.1098



15.8986, 19.6070, 27.1866



# Rectangle

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



20.5761, 19.6070, 30.7170



22.2637, 19.6070, 22.5621



16.8216, 19.6070, 14.1098



15.4252, 19.6070, 20.1796

# Sweetspot

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



20.5767, 19.6078, 30.7174



45.2875, 46.4183, 56.0073



22.1223, 24.6007, 31.5997



10.2479, 10.4764, 12.7669



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



20.5767, 19.6078, 30.7174



33.9321, 31.5136, 53.7289



22.8941, 20.8024, 30.8259



5.6533, 5.7123, 7.2744



5.4924, 2.3040, 24.0863



0.0942, 0.0421, 0.2961



# Inverse Universe

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



23.3520, 21.1177, 27.2723



39.7117, 34.6603, 46.4441



22.2452, 26.8107, 21.1430



5.9620, 5.8798, 6.9058



12.5612, 6.2295, 11.7022



0.1668, 0.0815, 0.2120



# Previews

## White Background



This preview shows how the XYZ color 20.5761, 19.6070, 30.7170 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 20.5761, 19.6070, 30.7170 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 20.5761, 19.6070, 30.7170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.5761, 19.6070, 30.7170.



This preview shows how white text looks on a background with the XYZ color 20.5761, 19.6070,

30.7170.

# 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

20.5761, 19.6070, 30.7170

### Protanopia

19.5449, 19.5898, 31.6052

### Deuteranopia

20.0878, 19.7086, 30.7624



## Tritanopia

19.2463, 19.5985, 24.2412

# Trichromacy



## Original Color

20.5761, 19.6070, 30.7170

## Protanomaly

19.8870, 19.5959, 31.1680

## Deuteranomaly

20.2543, 19.6169, 30.7359

## Tritanomaly

19.6893, 19.5991, 26.4122

# Monochromacy



## Original Color

20.5761, 19.6070, 30.7170

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

19.6506, 19.9725, 25.0097

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.5761, 19.6070, 30.7170 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(127, 118, 148)` looks like.

```
.text, #text, p{  
    color:rgb(127, 118, 148)  
}
```

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(127, 118, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 118, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 20.5761, 19.6070, 30.7170 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(127, 118, 148) }
```



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

```
.border{ border-color:rgb(127, 118, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 118, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 118, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 118, 148);  
box-shadow:4px 4px 4px 4px rgb(127, 118,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.5761, 19.6070, 30.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 118, 148) }
```

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

```
.background{ background-color: rgb(127,  
118, 148) }
```

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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