

# Converting Colors

XYZ(50.8864, 54.6370, 60.6806)

Have a look what the booklet for  
XYZ(50.8864, 54.6370, 60.6806)  
contains.

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# **Color**

**XYZ(51.0306, 54.7825,  
60.7078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC5C5
RGB	189, 197, 197
RGB Percent	74%, 77%, 77%
CMY	0.2588, 0.2274, 0.2274
CMYK	0.04, 0.00, 0.00, 0.23
HSL	180°, 6%, 76%
HSV	180°, 4%, 77%
XYZ	51.0306, 54.7825, 60.7078
YIQ	194.6080, -4.7680, -1.6960

# Conversions

## Conversions Part 2

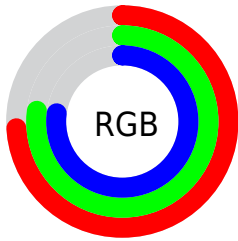
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 193, 197
Decimal	12436933
CIELab	78.92, -2.74, -0.96
CIELCh	79, 2.903, 199.371
Yxy	54.7825, 0.3065, 0.3290
Android (android.graphics.Color)	4290627013 (0xFFBDC5C5)
YUV	194.6080, 1.1793, -4.9182
Hunter-Lab	74.0152, -6.4578, 3.1806

# Details

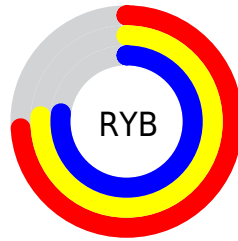
The XYZ color **51.0306, 54.7825, 60.7078** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.4109, 51.9412, 55.5156**, and the grayscale version is **51.6351, 54.3242, 59.1590**.

A 20% lighter version of the original color is **90.9874, 97.4519, 107.7805**, and **24.9337, 26.8623, 29.8574** is the 20% darker color. If you saturate the color by 10%, you get **46.4715, 52.4338, 60.4911**, and if you desaturate by 10%, it is **56.2566, 57.4780, 60.9580**.

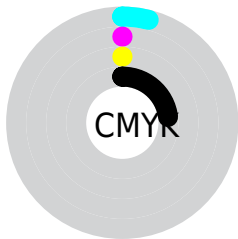
# Distribution



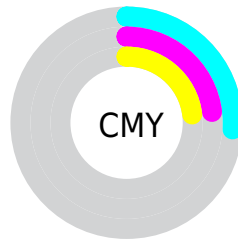
- Red (74%)
- Green (77%)
- Blue (77%)



- Red (74%)
- Yellow (76%)
- Blue (77%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (23%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0306, 54.7825, 60.7078 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 51.0306, 54.7825, 60.7078 by changing the saturation by 10% instead.



■ 51.0306, 54.7825,  
60.7078

■ 51.0306, 54.7825,  
60.7078

381.0684,  
405.0869, 445.0787

■ 36.4541, 39.2276,  
43.5604

■ 90.8827, 97.2222,  
107.4091

■ 24.9568, 26.9368,  
29.9904

116.8891,  
124.8758, 137.8001

■ 16.1735, 17.5258,  
19.5793

147.4361,  
157.3311, 173.4427

■ 9.7386, 10.6101,  
11.9086

182.8891,  
194.9725, 214.7555

■ 5.2869, 5.8053,  
6.5597

223.6135,  
238.1844, 262.1569

■ 2.4531, 2.7270,  
3.1140

269.9746,

■ 0.8716, 0.9909,

287.3512, 316.0655

1.1532

322.3377,  
342.8572, 376.9000

■ 0.0000, 0.0000,  
0.0000

■ 51.0306, 54.7825,  
60.7078

■ 51.0306, 54.7825,  
60.7078

■ 46.4715, 52.4338,  
60.4911

■ 56.2566, 57.4780,  
60.9580

■ 42.5481, 50.4113,  
60.3031

■ 62.1700, 60.5264,  
61.2391

■ 39.2336, 48.7027,  
60.1435

■ 68.7960, 63.9421,  
61.5537

■ 36.4974, 47.2923,  
60.0110

■ 71.2889, 65.2272,  
61.6748

■ 34.3064, 46.1629,  
59.9040

■ 71.2897, 65.2275,  
61.6793

■ 32.6242, 45.2958,  
59.8208

■ 71.2906, 65.2278,  
61.6838

■ 31.4097, 44.6698,  
59.7595

■ 71.2914, 65.2282,  
61.6883

■ 30.6158, 44.2606,  
59.7179

■ 71.2923, 65.2285,  
61.6928

■ 30.1852, 44.0387,  
59.6933

■ 71.2931, 65.2289,  
61.6973

# Harmonies

## Analogous

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



50.9875, 54.7825, 59.0653



51.0306, 54.7825, 60.7078



51.3508, 54.7825, 62.0902

# Triad

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



51.0306, 54.7825, 60.7078



52.9148, 54.7825, 61.7395



52.2738, 54.7825, 56.5834

# Complementary

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



51.0306, 54.7825, 60.7078



50.4109, 51.9412, 55.5156

# 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.



52.7941, 54.7825, 57.2723



51.0306, 54.7825, 60.7078



53.1660, 54.7825, 60.2361

# Square

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



51.0306, 54.7825, 60.7078



52.4376, 54.7825, 62.6935



53.1216, 54.7825, 58.6022



51.7024, 54.7825, 56.7044



# Rectangle

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



51.0306, 54.7825, 60.7078



51.6797, 54.7825, 62.6688



53.1216, 54.7825, 58.6022



52.4605, 54.7825, 56.7274

# Sweetspot

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



51.0322, 54.7848, 60.7090



94.1179, 99.5195, 108.8556



50.1726, 54.4448, 56.0096



20.1549, 21.3063, 23.3000



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.



51.0322, 54.7848, 60.7090



90.5130, 97.6612, 108.6836



50.1654, 53.0508, 60.4218



11.3414, 12.2711, 13.6877



19.7560, 28.9148, 39.2552



0.9355, 1.3691, 1.8590

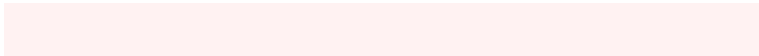


# Inverse Universe

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



50.4109, 51.9412, 55.5156



89.1319, 91.3393, 97.1377



51.2538, 53.6275, 55.7949



11.1491, 11.3908, 12.0800



15.1456, 7.8078, 0.7106



0.7172, 0.3697, 0.0340



# Previews

## White Background



This preview shows how the XYZ color 51.0306, 54.7825, 60.7078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

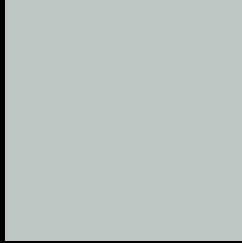
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0306, 54.7825, 60.7078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

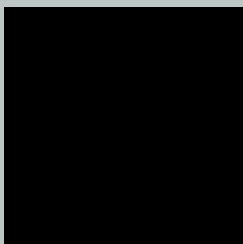
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

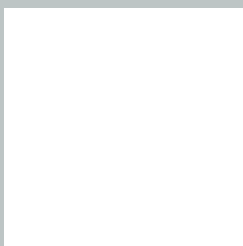
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.0306, 54.7825, 60.7078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0306, 54.7825, 60.7078.



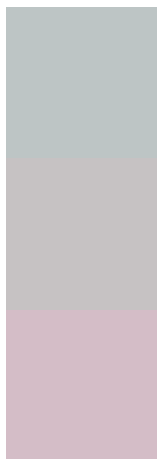
This preview shows how white text looks on a background with the XYZ color 51.0306, 54.7825,



# 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

51.0306, 54.7825, 60.7078

### Protanopia

52.4308, 54.5295, 59.3916

### Deuteranopia

55.6578, 54.5158, 61.6219



## Tritanopia

52.6338, 54.7597, 68.7684

# Trichromacy



## Original Color

51.0306, 54.7825, 60.7078

## Protanomaly

51.9846, 54.6178, 60.0270

## Deuteranomaly

53.9445, 54.6139, 61.1244

## Tritanomaly

51.9946, 54.8348, 65.6014

# Monochromacy



## Original Color

51.0306, 54.7825, 60.7078

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.6961, 54.8028, 60.0779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0306, 54.7825, 60.7078 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(189, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(189, 197, 197)  
}
```

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(189, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 197, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0306, 54.7825, 60.7078 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(189, 197, 197) }
```



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

```
.border{ border-color:rgb(189, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(189, 197,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0306, 54.7825, 60.7078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 197, 197) }
```

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

```
.background{ background-color: rgb(189,  
197, 197) }
```

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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