

# Converting Colors

XYZ(28.5055, 33.2248, 58.3367)

Have a look what the booklet for  
XYZ(28.5055, 33.2248, 58.3367)  
contains.

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# Color

**XYZ(28.5055, 33.2248,  
58.3367)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	62A4C6
RGB	98, 164, 198
RGB Percent	38%, 64%, 78%
CMY	0.6157, 0.3569, 0.2235
CMYK	0.51, 0.17, 0.00, 0.22
HSL	200°, 47%, 58%
HSV	200°, 51%, 78%
XYZ	28.5055, 33.2248, 58.3367
YIQ	148.1420, -50.2500, -3.4180

# Conversions

## Conversions Part 2

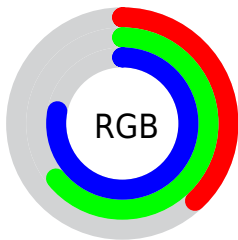
<b>Format</b>	<b>Color</b>
<b>RYB</b>	98, 138, 198
Decimal	6464710
CIELab	64.34, -11.62, -23.92
CIELCh	64, 26.591, 244.086
Yxy	33.2248, 0.2374, 0.2767
Android (android.graphics.Color)	4284654790 (0xFF62A4C6)
YUV	148.1420, 24.5800, -43.9745
Hunter-Lab	57.6410, -12.5971, -19.6570

# Details

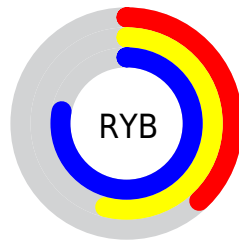
The XYZ color **28.5055, 33.2248, 58.3367** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **33.7455, 29.3912, 15.4509**, and the grayscale version is **28.1242, 29.5888, 32.2223**.

A 20% lighter version of the original color is **56.7079, 64.7531, 104.1175**, and **11.6275, 14.0140, 28.4777** is the 20% darker color. If you saturate the color by 10%, you get **25.4546, 29.9112, 57.8585**, and if you desaturate by 10%, it is **32.1507, 36.9408, 58.8624**.

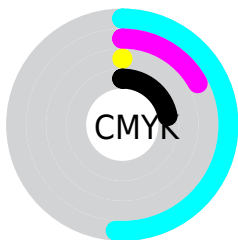
# Distribution



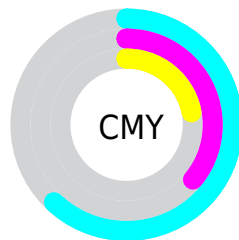
- Red (38%)
- Green (64%)
- Blue (78%)



- Red (38%)
- Yellow (54%)
- Blue (78%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (62%)
- Magenta (36%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5055, 33.2248, 58.3367 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 28.5055, 33.2248, 58.3367 by changing the saturation by 10% instead.



■ 28.5055, 33.2248,  
58.3367

■ 28.5055, 33.2248,  
58.3367

286.9110,  
316.6615, 436.0726

■ 18.8495, 22.2987,  
41.6629

■ 56.6935, 64.7263,  
103.9326

■ 11.6649, 14.0766,  
28.5138

■ 75.9562, 86.0706,  
133.6918

■ 6.5865, 8.1739,  
18.4709

■ 99.1518, 111.6563,  
168.6499

■ 3.2489, 4.2064,  
11.1157

■ 126.6457,  
141.8680, 209.2255

■ 1.2867, 1.7897,  
6.0296

158.8032,  
177.0899, 255.8370

■ 0.1732, 0.4807,  
2.7940

195.9897,

■ 0.0000, 0.0000,

217.7066, 308.9029

0.9904

238.5705,  
264.1023, 368.8420

■ 0.0000, 0.0000,  
0.0000

■ 28.5055, 33.2248,  
58.3367

■ 28.5055, 33.2248,  
58.3367

■ 25.4546, 29.9112,  
57.8585

■ 32.1507, 36.9408,  
58.8624

■ 22.9542, 26.9740,  
57.4234

■ 36.4236, 41.0758,  
59.4354

■ 20.9590, 24.3889,  
57.0296

■ 41.3587, 45.6497,  
60.0581

■ 19.4142, 22.1263,  
56.6743

■ 46.9870, 50.6797,  
60.7324

■ 18.2667, 20.2244,  
56.3676

■ 53.3375, 56.1823,  
61.4598

■ 60.4373, 62.1726,  
62.2418

■ 68.3122, 68.6652,  
63.0800

■ 76.4678, 75.4066,  
63.9513

■ 78.2477, 78.9664,  
64.5446

# Harmonies

## Analogous

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



25.9294, 33.2248, 49.1532



28.5055, 33.2248, 58.3367



32.1003, 33.2248, 61.1899

# Triad

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



28.5055, 33.2248, 58.3367



39.4051, 33.2248, 34.7120



27.6752, 33.2248, 21.5195

# Complementary

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



28.5055, 33.2248, 58.3367



33.7455, 29.3912, 15.4509

# 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.



31.0637, 33.2248, 19.1205



28.5055, 33.2248, 58.3367



37.9952, 33.2248, 25.7114

# Square

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



28.5055, 33.2248, 58.3367



38.5845, 33.2248, 46.0663



34.8662, 33.2248, 20.4866



25.4776, 33.2248, 27.8137



# Rectangle

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



28.5055, 33.2248, 58.3367



34.6419, 33.2248, 58.7240



34.8662, 33.2248, 20.4866



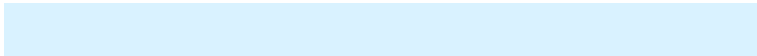
28.7025, 33.2248, 20.2949

# Sweetspot

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



28.5066, 33.2260, 58.3375



78.3417, 85.4348, 106.9693



29.3514, 44.6334, 28.6607



16.3165, 17.8816, 22.8415



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.



28.5066, 33.2260, 58.3375



44.3921, 52.1925, 102.3422



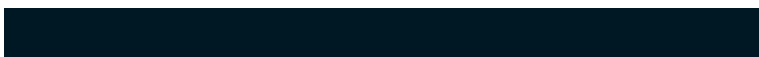
21.3239, 18.8607, 55.9433



10.6313, 11.4367, 13.5647



11.9611, 13.3161, 36.6842



0.6316, 0.7609, 1.7587



# Inverse Universe

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



34.3582, 23.4226, 37.8333



56.4187, 34.5388, 59.6407



42.0859, 46.0720, 18.2310



10.9239, 10.7530, 12.5827



17.8367, 8.8843, 14.8820



0.8775, 0.4338, 0.8780



# Previews

## White Background



This preview shows how the XYZ color 28.5055, 33.2248, 58.3367 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 28.5055, 33.2248, 58.3367 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 28.5055, 33.2248, 58.3367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5055, 33.2248, 58.3367.



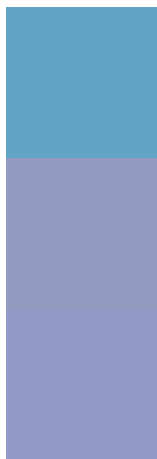
This preview shows how white text looks on a background with the XYZ color 28.5055, 33.2248,



# 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

28.5055, 33.2248, 58.3367

### Protanopia

32.9922, 33.0758, 53.9356

### Deuteranopia

33.7879, 33.1105, 59.8685



## Tritanopia

26.5728, 33.2489, 48.7332

# Trichromacy



## Original Color

28.5055, 33.2248, 58.3367

## Protanomaly

31.0177, 33.0159, 55.7768

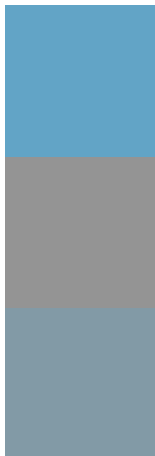
## Deuteranomaly

31.5356, 32.9512, 59.3417

## Tritanomaly

27.2220, 33.2400, 51.9949

# Monochromacy



## Original Color

28.5055, 33.2248, 58.3367

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

27.6445, 30.6102, 40.5277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5055, 33.2248, 58.3367 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(98, 164, 198)` looks like.

```
.text, #text, p{  
    color:rgb(98, 164, 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(98, 164, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 164, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5055, 33.2248, 58.3367 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".

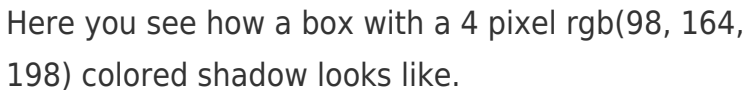
```
.border, #border, table{ border:4px solid rgb(98, 164, 198) }
```



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

```
.border{ border-color:rgb(98, 164, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 164, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 164, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 164, 198); box-shadow:4px 4px 4px 4px rgb(98, 164, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5055, 33.2248, 58.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 164, 198) }
```

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

```
.background{ background-color: rgb(98, 164,  
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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