

# Converting Colors

XYZ(55.1639, 57.9796, 64.0640)

Have a look what the booklet for  
XYZ(55.1639, 57.9796, 64.0640)  
contains.

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# Color

**XYZ(55.1344, 57.8522,  
64.1378)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C8C8CA
RGB	200, 200, 202
RGB Percent	78%, 78%, 79%
CMY	0.2157, 0.2157, 0.2078
CMYK	0.01, 0.01, 0.00, 0.21
HSL	240°, 2%, 79%
HSV	240°, 1%, 79%
XYZ	55.1344, 57.8522, 64.1378
YIQ	200.2280, -0.6420, 0.6220

# Conversions

## Conversions Part 2

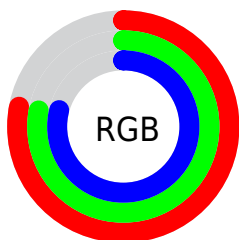
Format	Color
<a href="#">RYB</a>	<a href="#">200, 200, 202</a>
Decimal	<a href="#">13158602</a>
CIELab	<a href="#">80.66, 0.37, -1.01</a>
CIELCh	<a href="#">81, 1.072, 290.336</a>
Yxy	<a href="#">57.8522, 0.3113, 0.3266</a>
Android (android.graphics.Color)	<a href="#">4291348682</a> (0xFFC8C8CA)
YUV	<a href="#">200.2280, 0.8736, -0.2000</a>
Hunter-Lab	<a href="#">76.0606, -3.7160, 3.2464</a>

# Details

The XYZ color **55.1344, 57.8522, 64.1378** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.9031, 58.9671, 63.0799**, and the grayscale version is **55.0367, 57.9029, 63.0562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **27.4782, 28.8069, 32.1290** is the 20% darker color. If you saturate the color by 10%, you get **45.7256, 46.5209, 62.4474**, and if you desaturate by 10%, it is **65.8754, 70.7881, 66.0694**.

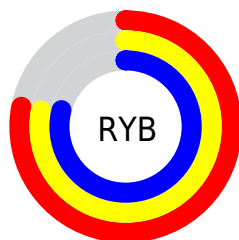
# Distribution



Red (78%)

Green (78%)

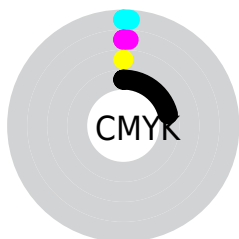
Blue (79%)



Red (78%)

Yellow (78%)

Blue (79%)

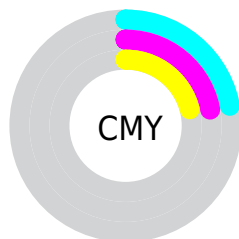


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (21%)



Cyan (22%)

Magenta (22%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1344, 57.8522, 64.1378 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 55.1344, 57.8522, 64.1378 by changing the saturation by 10% instead.




 55.1344, 57.8522,  
64.1378

 55.1344, 57.8522,  
64.1378


396.5493,  
416.6350, 457.9082

 39.7436, 41.6898,  
46.3154


96.8850, 101.7076,  
112.4107

 27.5220, 28.8585,  
32.1443


123.9756,  
130.1694, 143.6984

 18.1043, 18.9738,  
21.2060


155.6967,  
163.4999, 180.3115

 11.1250, 11.6514,  
13.0820

192.4139,  
202.0833, 222.6686

 6.2189, 6.5067,  
7.3536

234.4923,  
246.3041, 271.1883

 3.0206, 3.1556,  
3.6024


282.2975,

 1.1646, 1.2135,


296.5468, 326.2891


1.4099


336.1947,  
353.1956, 388.3896


 0.0782, 0.0727,  
0.1494


 0.0000, 0.0000,  
0.0000


 55.1344, 57.8522,  
64.1378


 55.1344, 57.8522,  
64.1378


 45.7256, 46.5209,  
62.4474


 65.8754, 70.7881,  
66.0694

 37.5923, 36.7245,  
60.9852

 77.9925, 85.3798,  
68.2473

 30.6812, 28.3994,  
59.7425

 87.6608, 97.0443,  
69.9892

 24.9332, 21.4745,  
58.7088

■ 20.2845, 15.8730,  
57.8727

■ 16.6649, 11.5105,  
57.2214

■ 13.9964, 8.2931,  
56.7410

■ 12.1897, 6.1135,  
56.4155

■ 11.1386, 4.8439,  
56.2259

# Harmonies

## Analogous

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



54.9156, 57.8522, 64.1970



55.1344, 57.8522, 64.1378



55.3141, 57.8522, 63.7702

# Triad

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



55.1344, 57.8522, 64.1378



55.2581, 57.8522, 62.0602



54.5695, 57.8522, 62.7874

# Complementary

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



55.1344, 57.8522, 64.1378



55.9031, 58.9671, 63.0799

# 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.



54.6607, 57.8522, 62.2186



55.1344, 57.8522, 64.1378



55.0581, 57.8522, 61.8006

# Square

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



55.1344, 57.8522, 64.1378



55.3857, 57.8522, 62.5698



54.8394, 57.8522, 61.8584



54.5898, 57.8522, 63.4145



# Rectangle

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



55.1344, 57.8522, 64.1378



55.3874, 57.8522, 63.4011



54.8394, 57.8522, 61.8584



54.5881, 57.8522, 62.5831

# Sweetspot

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



55.1360, 57.8547, 64.1391

95.0500, 100.0000, 108.9000



55.5976, 58.7840, 64.2734



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



55.1360, 57.8547, 64.1391



93.3113, 97.9060, 108.5875



55.3943, 57.9867, 64.1509



12.4148, 13.0287, 14.4308



6.8630, 2.7499, 36.1253



0.3546, 0.1429, 1.8638



# Inverse Universe

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



55.4380, 58.0364, 62.9268



93.8347, 98.2209, 106.4862



55.6431, 58.8342, 63.0679



12.4793, 13.0675, 14.1718



15.6750, 8.0806, 0.7414

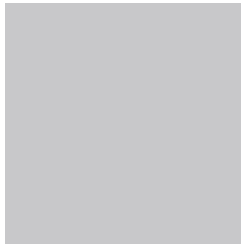


0.8089, 0.4170, 0.0397



# Previews

## White Background



This preview shows how the XYZ color 55.1344, 57.8522, 64.1378 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 55.1344, 57.8522, 64.1378 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

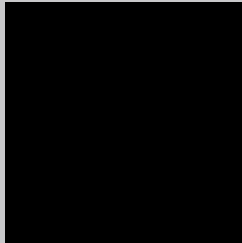
Any Text WCAG AAA ✓ Pass

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



**XYZ 55.1344, 57.8522, 64.1378**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.1344, 57.8522, 64.1378.



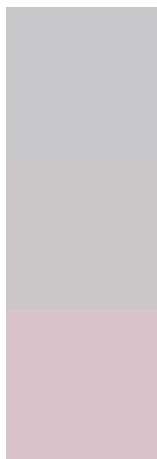
This preview shows how white text looks on a background with the XYZ color 55.1344, 57.8522,



# 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

55.1344, 57.8522, 64.1378

### Protanopia

55.5946, 57.7604, 63.4771

### Deuteranopia

58.9847, 57.8008, 64.5478



## Tritanopia

56.6888, 57.7998, 71.7870

# Trichromacy



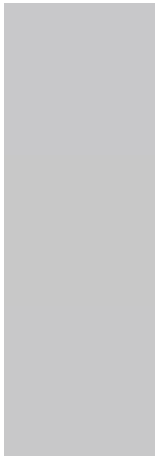
**Original Color**  
55.1344, 57.8522, 64.1378

**Protanomaly**  
55.3232, 57.6205, 63.4644

**Deuteranomaly**  
57.3834, 57.6405, 64.6012

**Tritanomaly**  
56.1437, 57.9175, 69.1929

# Monochromacy



**Original Color**  
55.1344, 57.8522, 64.1378

**Achromatopsia**  
54.8990, 57.7580, 62.8985

**Achromatomaly**  
55.0163, 57.8050, 63.5161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.1344, 57.8522, 64.1378 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(200, 200, 202) looks like.

```
.text, #text, p{  
    color:rgb(200, 200, 202)  
}
```

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(200, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 200, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 55.1344, 57.8522, 64.1378 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(200, 200, 202) }
```

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

```
.border{ border-color:rgb(200, 200, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 200, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 200, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 200, 202);  
box-shadow:4px 4px 4px 4px rgb(200, 200,  
202) }
```



# Background

The CSS property to change the background color of an element to XYZ 55.1344, 57.8522, 64.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 200, 202) }
```

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

```
.background{ background-color: rgb(200,  
200, 202) }
```

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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