

# Converting Colors

XYZ(56.9337, 57.4103, 68.9583)

Have a look what the booklet for  
XYZ(56.9337, 57.4103, 68.9583)  
contains.

<b>XYZ(56.8264, 57.2548, 69.0290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.8264, 57.2548,  
69.0290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC4D2
RGB	206, 196, 210
RGB Percent	81%, 77%, 82%
CMY	0.1922, 0.2314, 0.1765
CMYK	0.02, 0.07, 0.00, 0.18
HSL	283°, 13%, 80%
HSV	283°, 7%, 82%
XYZ	56.8264, 57.2548, 69.0290
YIQ	200.5860, 1.4660, 6.4740

# Conversions

## Conversions Part 2

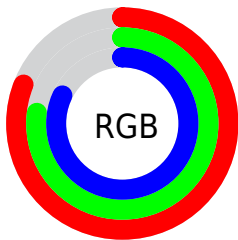
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 196, 210
Decimal	13550802
CIE Lab	80.32, 6.03, -5.74
CIE LCh	80, 8.327, 316.439
Yxy	57.2548, 0.3103, 0.3127
Android (android.graphics.Color)	4291740882 (0xFFCEC4D2)
YUV	200.5860, 4.6411, 4.7481
Hunter-Lab	75.6669, 1.6377, -1.1219

# Details

The XYZ color **56.8264, 57.2548, 69.0290** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8319, 62.3596, 61.2686**, and the grayscale version is **55.2342, 58.1106, 63.2825**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **28.6226, 28.4217, 35.4299** is the 20% darker color. If you saturate the color by 10%, you get **50.7834, 47.5944, 67.4837**, and if you desaturate by 10%, it is **63.5993, 68.2789, 70.8008**.

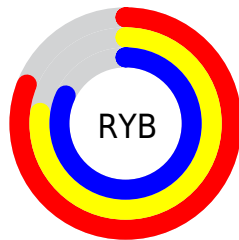
# Distribution



Red (81%)

Green (77%)

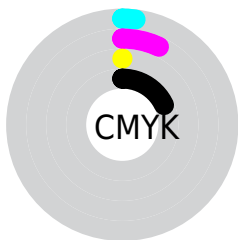
Blue (82%)



Red (81%)

Yellow (77%)

Blue (82%)

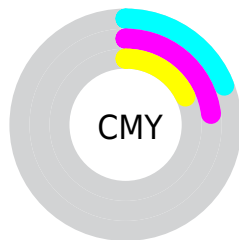


Cyan (2%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (19%)

Magenta (23%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8264, 57.2548, 69.0290 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 56.8264, 57.2548, 69.0290 by changing the saturation by 10% instead.



■ 56.8264, 57.2548,  
69.0290

■ 56.8264, 57.2548,  
69.0290

402.8232,  
414.4034, 475.8300

■ 41.1055, 41.2098,  
50.2634

99.3447, 100.8369,  
119.4911

■ 28.5895, 28.4831,  
35.2501

126.8727,  
129.1428, 152.0247

■ 18.9133, 18.6901,  
23.5705

159.0672,  
162.3045, 189.9847

■ 11.7112, 11.4466,  
14.8061

196.2934,  
200.7063, 233.7897

■ 6.6182, 6.3681,  
8.5383

238.9168,  
244.7328, 283.8581

■ 3.2687, 3.0702,  
4.3486

287.3026,

■ 1.2974, 1.1685,

294.7682, 340.6086

1.8185

341.8163,  
351.1969, 404.4597

■ 0.1813, 0.0357,  
0.4401

■ 0.0000, 0.0000,  
0.0000

■ 56.8264, 57.2548,  
69.0290

■ 56.8264, 57.2548,  
69.0290

■ 50.7834, 47.5944,  
67.4837

■ 63.5993, 68.2789,  
70.8008

■ 45.4373, 39.2351,  
66.1520

■ 71.1237, 80.7113,  
72.8039

■ 40.7597, 32.1206,  
65.0253

■ 78.1351, 92.0213,  
74.6174

■ 36.7183, 26.1872,  
64.0930

■ 80.0282, 92.9973,  
74.7060

■ 33.2779, 21.3657,  
63.3437

■ 81.9877, 94.0074,  
74.7977

■ 30.3997, 17.5794,  
62.7646

■ 84.0140, 95.0520,  
74.8925

■ 28.0399, 14.7419,  
62.3413

■ 86.1080, 96.1315,  
74.9905

■ 26.1473, 12.7522,  
62.0569

■ 88.2702, 97.2462,  
75.0917

■ 24.6562, 11.4797,  
61.8899

■ 88.6330, 97.4332,  
75.1087

# Harmonies

## Analogous

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



55.3509, 57.2548, 71.7746



56.8264, 57.2548, 69.0290



57.6646, 57.2548, 64.5656

# Triad

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



56.8264, 57.2548, 69.0290



55.1904, 57.2548, 53.6617



51.3384, 57.2548, 65.0324

# Complementary

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



56.8264, 57.2548, 69.0290



56.8319, 62.3596, 61.2686

# 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.



51.2975, 57.2548, 60.1676



56.8264, 57.2548, 69.0290



53.4976, 57.2548, 53.7721

# Square

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



56.8264, 57.2548, 69.0290



56.7068, 57.2548, 55.7892



52.0805, 57.2548, 56.0991



52.1935, 57.2548, 69.3861



# Rectangle

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



56.8264, 57.2548, 69.0290



57.7380, 57.2548, 61.2950



52.0805, 57.2548, 56.0991



51.2296, 57.2548, 63.3984

# Sweetspot

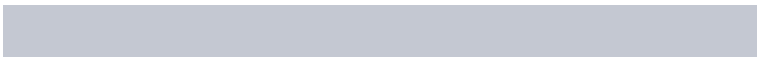
The Sweet Spot groups the original color and five complimentary colors.



56.8281, 57.2573, 69.0302



92.9104, 96.5137, 108.3398



55.1007, 57.7926, 69.2246



19.9091, 20.6944, 23.1951



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.



56.8281, 57.2573, 69.0302



86.7716, 86.5789, 106.7458



57.6069, 57.6987, 67.2618



11.9679, 11.8323, 14.8967



14.8700, 6.8461, 37.7302



0.9074, 0.4220, 2.1132



# Inverse Universe

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



56.7456, 57.3542, 62.7261



86.6260, 86.7647, 94.9548



56.0992, 61.9447, 62.9134



11.9457, 11.8630, 12.9897



16.7479, 8.5720, 3.5785

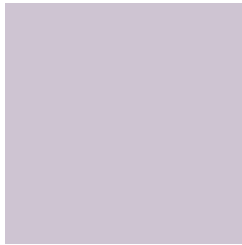


0.9708, 0.4930, 0.3810



# Previews

## White Background



This preview shows how the XYZ color 56.8264, 57.2548, 69.0290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

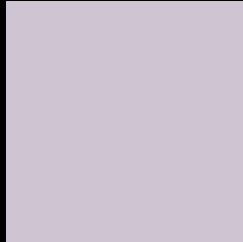
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8264, 57.2548, 69.0290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

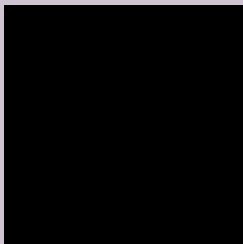
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

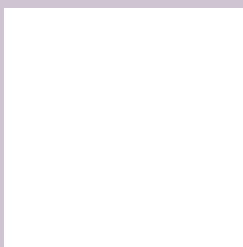
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.8264, 57.2548, 69.0290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8264, 57.2548, 69.0290.



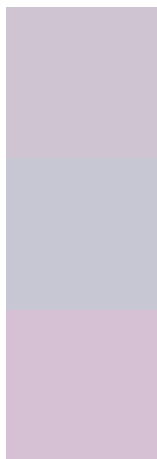
This preview shows how white text looks on a background with the XYZ color 56.8264, 57.2548,



# 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

56.8264, 57.2548, 69.0290

### Protanopia

55.5051, 57.2334, 69.7497

### Deuteranopia

58.2684, 56.9892, 69.5570



## Tritanopia

56.9514, 57.3048, 69.6873

# Trichromacy



## Original Color

56.8264, 57.2548, 69.0290

## Protanomaly

56.0812, 57.1922, 69.7114

## Deuteranomaly

57.6280, 56.9884, 69.5905

## Tritanomaly

56.9514, 57.3048, 69.6873

# Monochromacy



## Original Color

56.8264, 57.2548, 69.0290

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.9511, 57.9030, 65.3542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8264, 57.2548, 69.0290 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(206, 196, 210) looks like.

```
.text, #text, p{  
    color:rgb(206, 196, 210)  
}
```

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(206, 196, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 196, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8264, 57.2548, 69.0290 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".

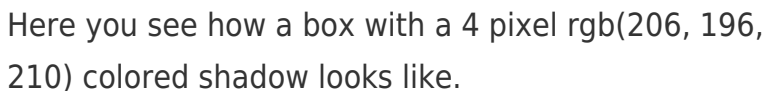
```
.border, #border, table{ border:4px solid rgb(206, 196, 210) }
```



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

```
.border{ border-color:rgb(206, 196, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 196, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 196, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 196, 210);  
box-shadow:4px 4px 4px 4px rgb(206, 196,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8264, 57.2548, 69.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 196, 210) }
```

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

```
.background{ background-color: rgb(206,  
196, 210) }
```

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