

# Converting Colors

XYZ(56.2811, 58.9051, 74.7332)

Have a look what the booklet for  
XYZ(56.2811, 58.9051, 74.7332)  
contains.

<b>XYZ(56.2811, 58.9051, 74.7332)</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(56.2811, 58.9051,  
74.7332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3CADA
RGB	195, 202, 218
RGB Percent	76%, 79%, 85%
CMY	0.2353, 0.2078, 0.1451
CMYK	0.11, 0.07, 0.00, 0.15
HSL	222°, 24%, 81%
HSV	222°, 11%, 85%
XYZ	56.2811, 58.9051, 74.7332
YIQ	201.7310, -9.3080, 3.4920

# Conversions

## Conversions Part 2

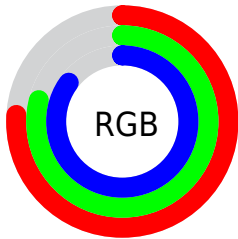
Format	Color
R <sub>Y</sub> B	195, 200, 218
Decimal	12831450
CIE Lab	81.24, 0.73, -8.77
CIE LCh	81, 8.796, 274.769
Yxy	58.9051, 0.2963, 0.3102
Android (android.graphics.Color)	4291021530 (0xFFC3CADA)
YUV	201.7310, 8.0206, -5.9031
Hunter-Lab	76.7497, -3.4165, -4.0075

# Details

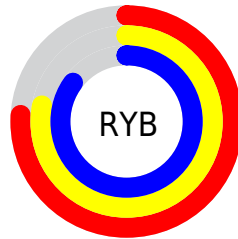
The XYZ color **56.2811, 58.9051, 74.7332** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.0584, 65.4338, 60.9900**, and the grayscale version is **55.9286, 58.8413, 64.0781**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **28.1853, 29.4869, 38.8563** is the 20% darker color. If you saturate the color by 10%, you get **47.6701, 49.4429, 73.3616**, and if you desaturate by 10%, it is **66.0675, 69.4954, 76.2625**.

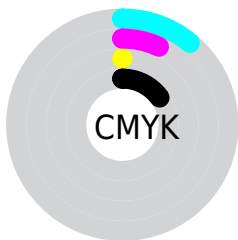
# Distribution



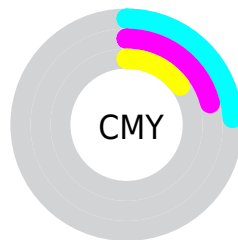
- Red (76%)
- Green (79%)
- Blue (85%)



- Red (76%)
- Yellow (78%)
- Blue (85%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (24%)
- Magenta (21%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2811, 58.9051, 74.7332 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 56.2811, 58.9051, 74.7332 by changing the saturation by 10% instead.



■ 56.2811, 58.9051,  
74.7332

■ 56.2811, 58.9051,  
74.7332

400.8079,  
420.5501, 496.2310

■ 40.6662, 42.5367,  
54.8939

98.5529, 103.2397,  
127.6782

■ 28.2449, 29.5218,  
38.9188

125.9405,  
131.9748, 161.6211

■ 18.6517, 19.4759,  
26.3892

157.9831,  
165.6008, 201.1022

■ 11.5214, 12.0147,  
16.8867

195.0460,  
204.5023, 246.5402

■ 6.4886, 6.7537,  
9.9926

237.4946,  
249.0636, 298.3535

■ 3.1878, 3.3085,  
5.2885

285.6942,

■ 1.2539, 1.2948,

299.6690, 356.9607

2.3558

340.0101,  
356.7031, 422.7803

■ 0.1483, 0.1372,  
0.7622

■ 0.0000, 0.0000,  
0.0000

■ 56.2811, 58.9051,  
74.7332

■ 56.2811, 58.9051,  
74.7332

■ 47.6701, 49.4429,  
73.3616

■ 66.0675, 69.4954,  
76.2625

■ 40.1838, 41.0629,  
72.1387

■ 77.0671, 81.2427,  
77.9502

■ 33.7753, 33.7270,  
71.0605

■ 87.3067, 93.1452,  
79.7079

■ 28.3924, 27.3920,  
70.1214

■ 89.6551, 97.8420,  
80.4907

■ 23.9783, 22.0112,  
69.3154

■ 20.4701, 17.5339,  
68.6361

■ 17.7970, 13.9040,  
68.0764

■ 15.8764, 11.0580,  
67.6283

■ 14.6252, 9.0024,  
67.2974

# Harmonies

## Analogous

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



54.4983, 58.9051, 73.7101



56.2811, 58.9051, 74.7332



58.0219, 58.9051, 72.7931

# Triad

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



56.2811, 58.9051, 74.7332



58.9334, 58.9051, 58.5511



52.8590, 58.9051, 59.9298

# Complementary

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



56.2811, 58.9051, 74.7332



62.0584, 65.4338, 60.9900

# 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.



54.0013, 58.9051, 56.1970



56.2811, 58.9051, 74.7332



57.5036, 58.9051, 55.4320

# Square

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



56.2811, 58.9051, 74.7332



59.5743, 58.9051, 63.3020



55.6950, 58.9051, 54.5941



52.5477, 58.9051, 64.9806



# Rectangle

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



56.2811, 58.9051, 74.7332



58.9165, 58.9051, 70.1394



55.6950, 58.9051, 54.5941



53.1573, 58.9051, 58.4884

# Sweetspot

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



56.2828, 58.9076, 74.7345



90.6173, 95.2298, 108.2129



59.3005, 66.4349, 71.1407



19.1480, 20.1157, 23.1235



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.



56.2828, 58.9076, 74.7345



76.9689, 80.4071, 106.0712



55.7818, 56.2651, 74.2509



12.6604, 13.2605, 16.5444



8.8454, 5.5602, 40.3454



0.6479, 0.5099, 2.6387



# Inverse Universe

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



59.0906, 58.2012, 63.9995



81.8789, 79.2459, 87.2821



62.5911, 68.3475, 61.5244



13.2184, 13.1165, 14.4115



17.9601, 9.1851, 4.1698

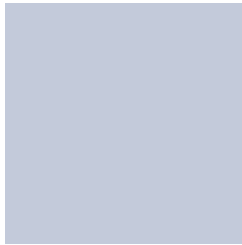


1.2013, 0.6102, 0.4690



# Previews

## White Background



This preview shows how the XYZ color 56.2811, 58.9051, 74.7332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

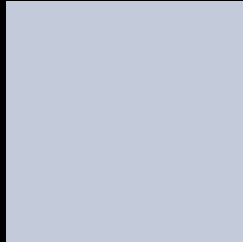
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2811, 58.9051, 74.7332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

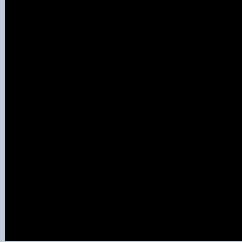
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

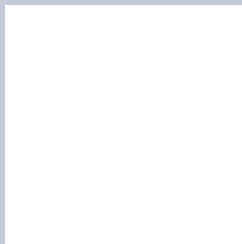
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.2811, 58.9051, 74.7332

## Background



This preview shows how black text looks on a background with the XYZ color 56.2811, 58.9051, 74.7332.



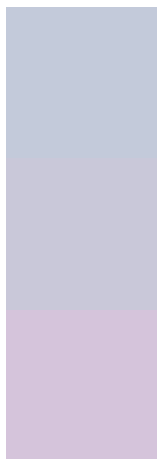
This preview shows how white text looks on a background with the XYZ color 56.2811, 58.9051,



# 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

56.2811, 58.9051, 74.7332

### Protanopia

57.2661, 58.7358, 73.9645

### Deuteranopia

59.9667, 58.7405, 75.1953



## Tritanopia

56.2811, 58.9051, 74.7332

# Trichromacy



## Original Color

56.2811, 58.9051, 74.7332

## Protanomaly

56.9642, 58.9252, 74.0170

## Deuteranomaly

58.4339, 58.6245, 75.2537

## Tritanomaly

56.2811, 58.9051, 74.7332

# Monochromacy



## Original Color

56.2811, 58.9051, 74.7332

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

56.0589, 58.9372, 68.0959

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2811, 58.9051, 74.7332 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(195, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(195, 202, 218)  
}
```

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(195, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 202, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2811, 58.9051, 74.7332 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(195, 202, 218) }
```



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

```
.border{ border-color:rgb(195, 202, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 202, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(195, 202,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2811, 58.9051, 74.7332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 202, 218) }
```

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

```
.background{ background-color: rgb(195,  
202, 218) }
```

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