

# Converting Colors

XYZ(56.1653, 53.9564, 70.0773)

Have a look what the booklet for  
XYZ(56.1653, 53.9564, 70.0773)  
contains.

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# Color

**XYZ(56.3589, 54.0464,  
70.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2BBD5
RGB	210, 187, 213
RGB Percent	82%, 73%, 84%
CMY	0.1765, 0.2666, 0.1647
CMYK	0.01, 0.12, 0.00, 0.16
HSL	293°, 24%, 78%
HSV	293°, 12%, 84%
XYZ	56.3589, 54.0464, 70.4123
YIQ	196.8410, 5.3620, 12.9620

# Conversions

## Conversions Part 2

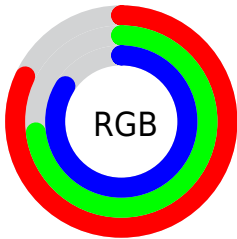
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 187, 213
Decimal	13810645
CIE <sub>Lab</sub>	78.49, 12.78, -10.04
CIE <sub>LCh</sub>	78, 16.253, 321.847
Yxy	54.0464, 0.3117, 0.2989
Android (android.graphics.Color)	4292000725 (0xFFD2BBD5)
YUV	196.8410, 7.9664, 11.5404
Hunter-Lab	73.5163, 8.1879, -5.3253

# Details

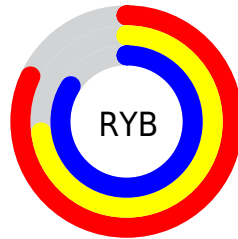
The XYZ color **56.3589, 54.0464, 70.4123** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **54.0011, 62.1249, 56.1616**, and the grayscale version is **52.9276, 55.6839, 60.6398**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **28.2142, 26.4874, 35.9733** is the 20% darker color. If you saturate the color by 10%, you get **51.4773, 45.3132, 68.9847**, and if you desaturate by 10%, it is **61.9247, 64.1302, 72.0661**.

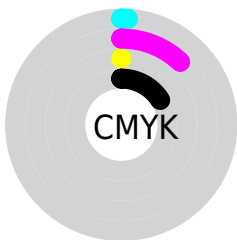
# Distribution



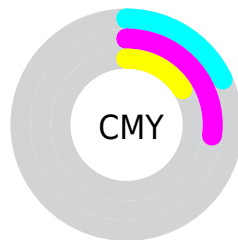
- Red (82%)
- Green (73%)
- Blue (84%)



- Red (82%)
- Yellow (73%)
- Blue (84%)



- Cyan (1%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)




- Cyan (18%)
- Magenta (27%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3589, 54.0464, 70.4123 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 56.3589, 54.0464, 70.4123 by changing the saturation by 10% instead.





 56.3589, 54.0464,  
70.4123

 56.3589, 54.0464,  
70.4123


401.0958,  
402.2869, 480.8245

 40.7289, 38.6388,  
51.3839


 98.6659, 96.1424,  
121.4832

 28.2940, 26.4788,  
36.1353


126.0736,  
123.5995, 154.3627

 18.6890, 17.1822,  
24.2482


158.1379,  
155.8419, 192.6962

 11.5484, 10.3645,  
15.3040

195.2241,  
193.2540, 236.9025

 6.5070, 5.6413,  
8.8840

237.6977,  
236.2201, 287.3999

 3.1993, 2.6282,  
4.5698

285.9239,

 1.2600, 0.9409,

285.1247, 344.6070

1.9429

340.2682,  
340.3522, 408.9424

■ 0.1530, 0.0000,  
0.5198

■ 0.0000, 0.0000,  
0.0000

■ 56.3589, 54.0464,  
70.4123

■ 56.3589, 54.0464,  
70.4123

■ 51.4773, 45.3132,  
68.9847

■ 61.9247, 64.1302,  
72.0661

■ 47.2456, 37.8648,  
67.7701

■ 68.1974, 75.6128,  
73.9519

■ 43.6337, 31.6404,  
66.7590

■ 75.2048, 88.5486,  
76.0794

■ 40.6074, 26.5713,  
65.9401

■ 77.2350, 91.5137,  
76.5447

■ 38.1291, 22.5823,  
65.3007

■ 77.9837, 91.8997,  
76.5798

■ 36.1564, 19.5892,  
64.8270

■ 78.7433, 92.2913,  
76.6153

■ 34.6410, 17.4950,  
64.5026

■ 79.5140, 92.6886,  
76.6514

■ 33.5247, 16.1837,  
64.3084

■ 80.2958, 93.0916,  
76.6880

■ 32.8538, 15.5493,  
64.2213

■ 81.0887, 93.5004,  
76.7251

# Harmonies

## Analogous

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



53.6922, 54.0464, 76.7558



56.3589, 54.0464, 70.4123



57.7009, 54.0464, 61.3806

# Triad

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



56.3589, 54.0464, 70.4123



52.2466, 54.0464, 43.0776



45.8701, 54.0464, 65.6480

# Complementary

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



56.3589, 54.0464, 70.4123



54.0011, 62.1249, 56.1616

# 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.



45.5190, 54.0464, 56.3847



56.3589, 54.0464, 70.4123



49.1147, 54.0464, 43.9665

# Square

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



56.3589, 54.0464, 70.4123



55.2631, 54.0464, 46.0554



46.6836, 54.0464, 48.6236



47.6632, 54.0464, 73.8125



# Rectangle

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



56.3589, 54.0464, 70.4123



57.6265, 54.0464, 55.3050



46.6836, 54.0464, 48.6236



45.5826, 54.0464, 62.5378

# Sweetspot

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



56.3605, 54.0487, 70.4135



91.4502, 93.4413, 107.8238



50.9267, 52.2129, 70.3455



19.4334, 19.7445, 23.0368



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.



56.3605, 54.0487, 70.4135



82.4333, 77.1494, 105.1544



55.9960, 54.0025, 63.9946



12.8054, 12.5566, 15.6863



20.1241, 9.5268, 39.2314



1.2547, 0.5957, 2.3682



# Inverse Universe

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



54.5070, 53.4069, 56.1536



79.0614, 75.9861, 79.0208



54.3639, 62.1843, 61.9429



12.4810, 12.4439, 13.2070



16.8857, 8.6906, 1.4360

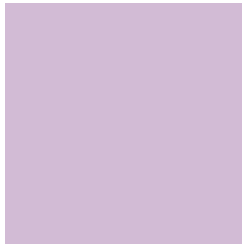


1.0384, 0.5322, 0.1916



# Previews

## White Background



This preview shows how the XYZ color 56.3589, 54.0464, 70.4123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

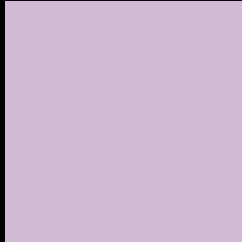
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3589, 54.0464, 70.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

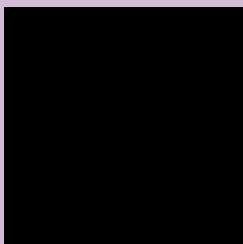
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

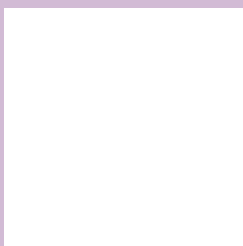
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.3589, 54.0464, 70.4123**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3589, 54.0464, 70.4123.



This preview shows how white text looks on a background with the XYZ color 56.3589, 54.0464,

70.4123.

# 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

56.3589, 54.0464, 70.4123

### Protanopia

53.0802, 54.2260, 73.3147

### Deuteranopia

55.3847, 54.1784, 70.4892



## Tritanopia

55.2716, 54.2623, 64.0605

# Trichromacy



## Original Color

56.3589, 54.0464, 70.4123

## Protanomaly

54.3142, 54.2252, 72.5696

## Deuteranomaly

55.7256, 54.0359, 70.4437

## Tritanomaly

55.5402, 54.0267, 66.5324

# Monochromacy



## Original Color

56.3589, 54.0464, 70.4123

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

54.2066, 55.0083, 64.2606

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3589, 54.0464, 70.4123 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(210, 187, 213) looks like.

```
.text, #text, p{  
    color:rgb(210, 187, 213)  
}
```

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(210, 187, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 187, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3589, 54.0464, 70.4123 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(210, 187, 213) }
```



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

```
.border{ border-color:rgb(210, 187, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 187, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 187, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 187, 213);  
box-shadow:4px 4px 4px 4px rgb(210, 187,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3589, 54.0464, 70.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 187, 213) }
```

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

```
.background{ background-color: rgb(210,  
187, 213) }
```

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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