

# Converting Colors

XYZ(56.6886, 54.6755, 71.3193)

Have a look what the booklet for  
XYZ(56.6886, 54.6755, 71.3193)  
contains.

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# Color

**XYZ(56.6297, 54.8055,  
71.2121)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1BDD6
RGB	209, 189, 214
RGB Percent	82%, 74%, 84%
CMY	0.1804, 0.2588, 0.1608
CMYK	0.02, 0.12, 0.00, 0.16
HSL	288°, 23%, 79%
HSV	288°, 12%, 84%
XYZ	56.6297, 54.8055, 71.2121
YIQ	197.8300, 3.8950, 12.0150

# Conversions

## Conversions Part 2

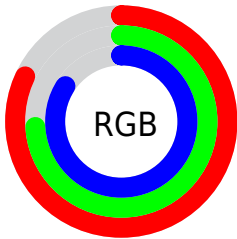
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 189, 214
Decimal	13745622
CIE Lab	78.93, 11.55, -9.93
CIE LCh	79, 15.238, 319.314
Yxy	54.8055, 0.3100, 0.3001
Android (android.graphics.Color)	4291935702 (0xFFD1BDD6)
YUV	197.8300, 7.9718, 9.7961
Hunter-Lab	74.0307, 6.9895, -5.2111

# Details

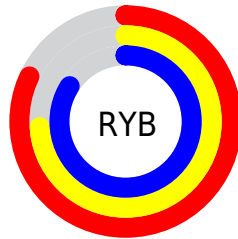
The XYZ color **56.6297, 54.8055, 71.2121** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.4819, 63.2379, 57.4287**, and the grayscale version is **53.5261, 56.3136, 61.3256**.

A 20% lighter version of the original color is **91.9424, 93.7848, 107.8641**, and **28.3886, 26.9815, 36.5126** is the 20% darker color. If you saturate the color by 10%, you get **51.1676, 45.6541, 69.7344**, and if you desaturate by 10%, it is **62.8068, 65.3367, 72.9201**.

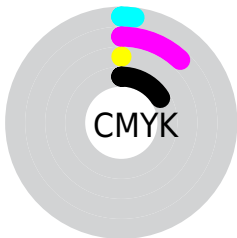
# Distribution



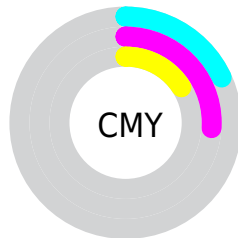
- Red (82%)
- Green (74%)
- Blue (84%)



- Red (82%)
- Yellow (74%)
- Blue (84%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (18%)
- Magenta (26%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6297, 54.8055, 71.2121 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 56.6297, 54.8055, 71.2121 by changing the saturation by 10% instead.



■ 56.6297, 54.8055,  
71.2121

■ 56.6297, 54.8055,  
71.2121

402.0969,  
405.1742, 483.6982

■ 40.9470, 39.2460,  
52.0324

■ 99.0592, 97.2559,  
122.6330

■ 28.4652, 26.9512,  
36.6485

126.5366,  
124.9157, 155.7112

■ 18.8188, 17.5366,  
24.6418

158.6764,  
157.3776, 194.2594

■ 11.6427, 10.6178,  
15.5938

195.8438,  
195.0261, 238.6960

■ 6.5713, 5.8104,  
9.0859

238.4042,  
238.2457, 289.4397

■ 3.2394, 2.7302,  
4.6997

286.7229,

■ 1.2816, 0.9925,

287.4206, 346.9089

2.0165

341.1654,  
342.9353, 411.5222

■ 0.1694, 0.0000,  
0.5654

■ 0.0000, 0.0000,  
0.0000

■ 56.6297, 54.8055,  
71.2121

■ 56.6297, 54.8055,  
71.2121

■ 51.1676, 45.6541,  
69.7344

■ 62.8068, 65.3367,  
72.9201

■ 46.3856, 37.8162,  
68.4736

■ 69.7221, 77.2965,  
74.8641

■ 42.2535, 31.2302,  
67.4201

■ 77.4037, 90.7399,  
77.0540

■ 38.7364, 25.8271,  
66.5626

■ 79.3002, 92.5636,  
77.3061

35.7962, 21.5310,  
65.8883

80.6602, 93.2648,  
77.3698

33.3902, 18.2571,  
65.3832

82.0541, 93.9833,  
77.4350

31.4697, 15.9081,  
65.0310

83.4819, 94.7194,  
77.5018

29.9763, 14.3676,  
64.8124

84.9439, 95.4731,  
77.5702

28.9758, 13.5354,  
64.7045

86.4404, 96.2445,  
77.6403

# Harmonies

## Analogous

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



54.0395, 54.8055, 76.8252



56.6297, 54.8055, 71.2121



58.0215, 54.8055, 62.8181

# Triad

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



56.6297, 54.8055, 71.2121



53.1776, 54.8055, 44.7487



46.7897, 54.8055, 65.3577

# Complementary

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



56.6297, 54.8055, 71.2121



55.4819, 63.2379, 57.4287

# 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.



46.5790, 54.8055, 56.6363



56.6297, 54.8055, 71.2121



50.1898, 54.8055, 45.2865

# Square

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



56.6297, 54.8055, 71.2121



55.9777, 54.8055, 47.9068



47.8015, 54.8055, 49.4546



48.3885, 54.8055, 73.2254



# Rectangle

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



56.6297, 54.8055, 71.2121



58.0475, 54.8055, 57.0170



47.8015, 54.8055, 49.4546



46.5566, 54.8055, 62.4121

# Sweetspot

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



56.6313, 54.8079, 71.2133



91.1354, 93.2790, 107.8090



52.5107, 54.4456, 71.3605



19.3534, 19.7033, 23.0330



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.



56.6313, 54.8079, 71.2133



82.1215, 77.9705, 105.3293



57.1831, 55.1945, 66.6192



12.6984, 12.5014, 15.6813



17.6003, 8.2258, 39.1133



1.1248, 0.5287, 2.3621



# Inverse Universe

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



55.6686, 54.5887, 58.6440



80.4378, 77.5949, 83.0064



55.0080, 62.9026, 61.5187



12.5238, 12.4610, 13.4326



17.0531, 8.7576, 2.3179

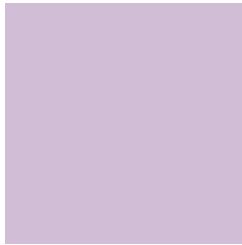


1.0585, 0.5402, 0.2975



# Previews

## White Background



This preview shows how the XYZ color 56.6297, 54.8055, 71.2121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

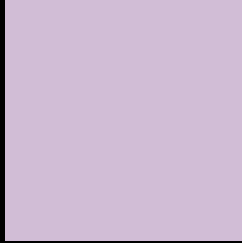
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6297, 54.8055, 71.2121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

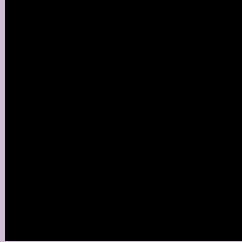
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.6297, 54.8055, 71.2121**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.6297, 54.8055, 71.2121.



This preview shows how white text looks on a background with the XYZ color 56.6297, 54.8055,



# 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

56.6297, 54.8055, 71.2121

### Protanopia

53.8085, 54.9308, 73.4123

### Deuteranopia

56.0047, 54.8038, 71.2447



## Tritanopia

55.4453, 54.6446, 65.3828

# Trichromacy



## Original Color

56.6297, 54.8055, 71.2121

## Protanomaly

54.7975, 54.7993, 72.6549

## Deuteranomaly

56.2832, 54.9473, 71.2578

## Tritanomaly

55.8110, 54.7909, 67.3086

# Monochromacy



## Original Color

56.6297, 54.8055, 71.2121

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.7713, 55.9464, 65.0387

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6297, 54.8055, 71.2121 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(209, 189, 214)` looks like.

```
.text, #text, p{  
    color:rgb(209, 189, 214)  
}
```

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(209, 189, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 189, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6297, 54.8055, 71.2121 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(209, 189, 214) }
```



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

```
.border{ border-color:rgb(209, 189, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 189, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 189, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 189, 214);  
box-shadow:4px 4px 4px 4px rgb(209, 189,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6297, 54.8055, 71.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 189, 214) }
```

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

```
.background{ background-color: rgb(209,  
189, 214) }
```

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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