

# Converting Colors

XYZ(56.7497, 51.1539, 76.6671)

Have a look what the booklet for  
XYZ(56.7497, 51.1539, 76.6671)  
contains.

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# Color

**XYZ(56.7730, 51.0681,  
76.6769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6B1DF
RGB	214, 177, 223
RGB Percent	84%, 69%, 87%
CMY	0.1608, 0.3059, 0.1255
CMYK	0.04, 0.21, 0.00, 0.13
HSL	288°, 42%, 78%
HSV	288°, 21%, 87%
XYZ	56.7730, 51.0681, 76.6769
YIQ	193.3070, 7.2860, 22.1500

# Conversions

## Conversions Part 2

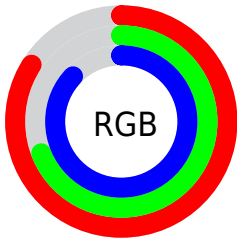
Format	Color
<a href="#">RYB</a>	<a href="#">214, 177, 223</a>
Decimal	<a href="#">14070239</a>
CIELab	<a href="#">76.72, 21.43, -18.07</a>
CIELCh	<a href="#">77, 28.034, 319.856</a>
Yxy	<a href="#">51.0681, 0.3077, 0.2768</a>
Android (android.graphics.Color)	<a href="#">4292260319 (0xFFD6B1DF)</a>
YUV	<a href="#">193.3070, 14.6386, 18.1478</a>
Hunter-Lab	<a href="#">71.4619, 16.7511, -13.5933</a>

# Details

The XYZ color **56.7730, 51.0681, 76.6769** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.5749, 66.3900, 51.5355**, and the grayscale version is **50.7840, 53.4287, 58.1839**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **28.5736, 24.6134, 40.2907** is the 20% darker color. If you saturate the color by 10%, you get **51.4673, 42.3209, 75.2689**, and if you desaturate by 10%, it is **62.8357, 61.2767, 78.3286**.

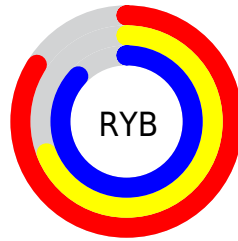
# Distribution



Red (84%)

Green (69%)

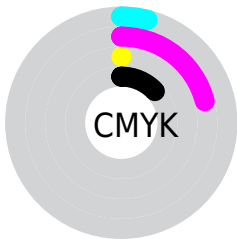
Blue (87%)



Red (84%)

Yellow (69%)

Blue (87%)

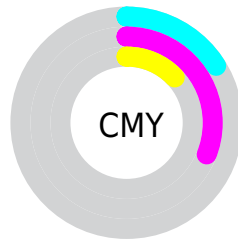


Cyan (4%)

Magenta (21%)

Yellow (0%)

Black (13%)



Cyan (16%)

Magenta (31%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7730, 51.0681, 76.6769 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 56.7730, 51.0681, 76.6769 by changing the saturation by 10% instead.



■ 56.7730, 51.0681,  
76.6769

■ 56.7730, 51.0681,  
76.6769

402.6261,  
390.8283, 503.0701

■ 41.0624, 36.2628,  
56.4778

■ 99.2672, 91.7554,  
130.4521

■ 28.5558, 24.6372,  
40.1795

126.7815,  
118.4063, 164.8653

■ 18.8876, 15.8070,  
27.3637

158.9611,  
149.7744, 204.8536

■ 11.6926, 9.3877,  
17.6117

196.1714,  
186.2442, 250.8354

■ 6.6054, 4.9949,  
10.5050

238.7777,  
228.2001, 303.2295

■ 3.2607, 2.2443,  
5.6251

287.1453,

■ 1.2931, 0.7440,

276.0265, 362.4543

2.5534

341.6397,  
330.1078, 428.9283

■ 0.1780, 0.0000,  
0.8683

■ 0.0000, 0.0000,  
0.0000

■ 56.7730, 51.0681,  
76.6769

■ 56.7730, 51.0681,  
76.6769

■ 51.4673, 42.3209,  
75.2689

■ 62.8357, 61.2767,  
78.3286

■ 46.8786, 34.9586,  
74.0897

■ 69.6835, 73.0054,  
80.2315

■ 42.9705, 28.9076,  
73.1277

■ 77.3488, 86.3176,  
82.3971

■ 39.7013, 24.0847,  
72.3691

■ 82.1812, 93.9123,  
83.6083

37.0243, 20.3973,  
71.7985

83.6108, 94.6493,  
83.6752

34.8863, 17.7394,  
71.3981

85.0758, 95.4046,  
83.7438

33.2240, 15.9844,  
71.1470

86.5764, 96.1782,  
83.8140

31.9956, 14.9557,  
71.0132

88.1129, 96.9703,  
83.8859

89.6855, 97.7810,  
83.9595

# Harmonies

## Analogous

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



52.0914, 51.0681, 87.9061



56.7730, 51.0681, 76.6769



59.3036, 51.0681, 60.9173

# Triad

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



56.7730, 51.0681, 76.6769



50.3600, 51.0681, 31.4934



39.5515, 51.0681, 66.1442

# Complementary

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



56.7730, 51.0681, 76.6769



54.5749, 66.3900, 51.5355

# 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.



39.1623, 51.0681, 50.6099



56.7730, 51.0681, 76.6769



45.1513, 51.0681, 32.3791

# Square

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



56.7730, 51.0681, 76.6769



55.4263, 51.0681, 36.1063



41.1418, 51.0681, 38.7966



42.2467, 51.0681, 81.0980



# Rectangle

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



56.7730, 51.0681, 76.6769



59.3138, 51.0681, 50.7459



41.1418, 51.0681, 38.7966



39.1546, 51.0681, 60.7637

# Sweetspot

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



56.7746, 51.0703, 76.6780



89.2691, 90.0604, 107.2861



49.0538, 49.8792, 76.8550



18.9777, 19.0550, 22.9277



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.



56.7746, 51.0703, 76.6780



73.5346, 63.5614, 103.0006



57.6885, 51.7477, 67.4007



14.0185, 13.7931, 17.3112



18.9055, 8.8415, 41.7585



1.3784, 0.6479, 2.8976



# Inverse Universe

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



55.0182, 50.6796, 53.3389



70.7912, 62.9771, 65.3773



53.9028, 65.8765, 59.0514



13.8163, 13.7442, 14.8028



18.1881, 9.3422, 2.3903



1.2922, 0.6601, 0.3315



# Previews

## White Background



This preview shows how the XYZ color 56.7730, 51.0681, 76.6769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

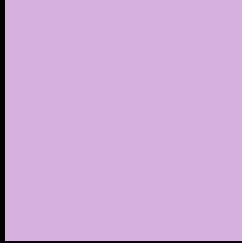
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.7730, 51.0681, 76.6769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

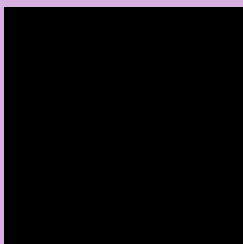
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.7730, 51.0681, 76.6769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7730, 51.0681, 76.6769.



This preview shows how white text looks on a background with the XYZ color 56.7730, 51.0681,



# 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

56.7730, 51.0681, 76.6769

### Protanopia

51.0885, 51.3829, 82.0881

### Deuteranopia

52.3924, 51.2558, 75.5386



## Tritanopia

53.2701, 51.1431, 59.2885

# Trichromacy



## Original Color

56.7730, 51.0681, 76.6769

## Protanomaly

52.7438, 51.0335, 79.7436

## Deuteranomaly

54.0002, 51.1473, 76.1335

## Tritanomaly

54.3258, 50.9476, 65.3631

# Monochromacy



## Original Color

56.7730, 51.0681, 76.6769

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

52.7568, 52.3178, 64.4445

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7730, 51.0681, 76.6769 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(214, 177, 223)` looks like.

```
.text, #text, p{  
    color:rgb(214, 177, 223)  
}
```

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(214, 177, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 177, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7730, 51.0681, 76.6769 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(214, 177, 223) }
```



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

```
.border{ border-color:rgb(214, 177, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 177, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 177, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 177, 223);  
box-shadow:4px 4px 4px 4px rgb(214, 177,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7730, 51.0681, 76.6769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 177, 223) }
```

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

```
.background{ background-color: rgb(214,  
177, 223) }
```

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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