

Converting Colors

XYZ(56.8189, 50.8252, 83.2462)

Have a look what the booklet for
XYZ(56.8189, 50.8252, 83.2462)
contains.

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Color

**XYZ(56.8660, 50.9721,
83.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B1E8
RGB	210, 177, 232
RGB Percent	82%, 69%, 91%
CMY	0.1765, 0.3059, 0.0902
CMYK	0.09, 0.24, 0.00, 0.09
HSL	276°, 54%, 80%
HSV	276°, 24%, 91%
XYZ	56.8660, 50.9721, 83.1854
YIQ	193.1370, 2.0130, 24.1010

Conversions

Conversions Part 2

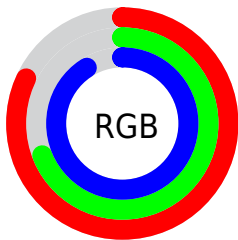
Format	Color
R _Y B	210, 177, 232
Decimal	13808104
CIE Lab	76.66, 21.91, -23.07
CIE LCh	77, 31.818, 313.520
Yxy	50.9721, 0.2977, 0.2668
Android (android.graphics.Color)	4291998184 (0xFFD2B1E8)
YUV	193.1370, 19.1595, 14.7889
Hunter-Lab	71.3947, 17.2347, -19.1053

Details

The XYZ color **56.8660, 50.9721, 83.1854** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.3473, 73.0309, 52.5131**, and the grayscale version is **50.6605, 53.2988, 58.0424**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **28.5617, 24.5185, 44.3015** is the 20% darker color. If you saturate the color by 10%, you get **50.1017, 41.2519, 81.6665**, and if you desaturate by 10%, it is **64.5658, 62.3335, 84.9733**.

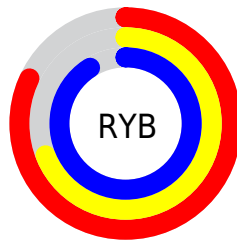
Distribution



Red (82%)

Green (69%)

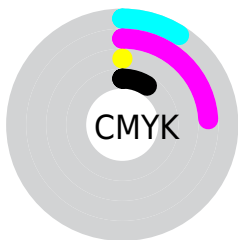
Blue (91%)



Red (82%)

Yellow (69%)

Blue (91%)

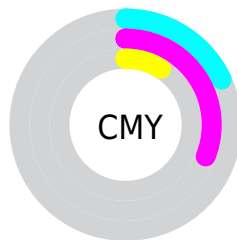


Cyan (9%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (18%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8660, 50.9721, 83.1854 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 56.8660, 50.9721, 83.1854 by changing the saturation by 10% instead.

■ 56.8660, 50.9721,
83.1854

■ 56.8660, 50.9721,
83.1854

402.9693,
390.4554, 525.5914

■ 41.1374, 36.1864,
61.8016

■ 99.4021, 91.6135,
139.6867

■ 28.6146, 24.5782,
44.4377

126.9403,
118.2381, 175.6412

■ 18.9323, 15.7631,
30.6750

159.1458,
149.5776, 217.2897

■ 11.7251, 9.3567,
20.0951

196.3839,
186.0167, 265.0508

■ 6.6276, 4.9745,
12.2794

239.0199,
227.9396, 319.3430

■ 3.2746, 2.2323,
6.8094

287.4193,

■ 1.3006, 0.7375,

275.7307, 380.5848

3.2666

341.9473,
329.7745, 449.1947

■ 0.1837, 0.0000,
1.2323

■ 0.0000, 0.0000,
0.0053

■ 56.8660, 50.9721,
83.1854

■ 56.8660, 50.9721,
83.1854

■ 50.1017, 41.2519,
81.6665

■ 64.5658, 62.3335,
84.9733

■ 44.2260, 33.0865,
80.4001

■ 73.2352, 75.4043,
87.0393

■ 39.1951, 26.3909,
79.3729

■ 82.9128, 90.2563,
89.3960

■ 34.9592, 21.0693,
78.5690

■ 88.7268, 97.1428,
90.4188

■ 31.4622, 17.0143,
77.9706

■ 91.5656, 98.6063,
90.5516

■ 28.6401, 14.1015,
77.5571

■ 26.4151, 12.1803,
77.3035

■ 25.2464, 11.3324,
77.2015

Harmonies

Analogous

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



51.2051, 50.9721, 94.3876



56.8660, 50.9721, 83.1854



60.4202, 50.9721, 65.4483

Triad

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



56.8660, 50.9721, 83.1854



51.8068, 50.9721, 29.3880



38.0392, 50.9721, 63.6190

Complementary

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



56.8660, 50.9721, 83.1854



60.3473, 73.0309, 52.5131

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.



38.1711, 50.9721, 46.6145



56.8660, 50.9721, 83.1854



45.7906, 50.9721, 29.0989

Square

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



56.8660, 50.9721, 83.1854



57.3379, 50.9721, 35.6539



40.9037, 50.9721, 34.7598



40.5271, 50.9721, 81.6093

Rectangle

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



56.8660, 50.9721, 83.1854



60.9475, 50.9721, 53.4887



40.9037, 50.9721, 34.7598



37.7852, 50.9721, 57.5610

Sweetspot

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



56.8676, 50.9743, 83.1865



87.0394, 87.8061, 106.9686



53.3338, 56.4453, 84.4288



18.4883, 18.5800, 22.8618



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.



56.8676, 50.9743, 83.1865



66.6096, 57.5749, 102.2101



62.9250, 54.1712, 80.1155



14.4081, 14.3126, 18.1476



14.1615, 6.3664, 42.8656



1.1506, 0.5241, 3.1725

Inverse Universe

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



59.3113, 52.7257, 61.0860



70.2014, 60.1366, 70.3011



55.3903, 70.4219, 54.7062



14.6146, 14.4630, 16.1711



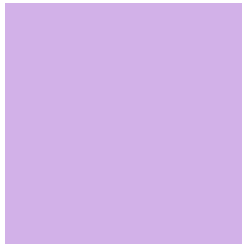
19.6253, 9.9843, 6.9218



1.4951, 0.7558, 0.7477

Previews

White Background



This preview shows how the XYZ color 56.8660, 50.9721, 83.1854 looks on a white background.

Color Contrast Check

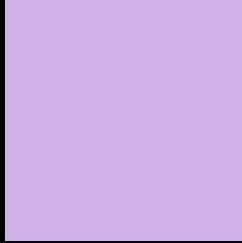
Large Text (above 18pt) WCAG AA × Fail

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 56.8660, 50.9721, 83.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

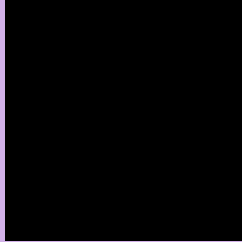
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8660, 50.9721, 83.1854

Background



This preview shows how black text looks on a background with the XYZ color 56.8660, 50.9721, 83.1854.



This preview shows how white text looks on a background with the XYZ color 56.8660, 50.9721,

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

56.8660, 50.9721, 83.1854

Protanopia

51.2548, 51.0027, 88.8045

Deuteranopia

52.1254, 50.9759, 81.9549



Tritanopia

52.3034, 50.9233, 60.4986

Trichromacy



Original Color

56.8660, 50.9721, 83.1854

Protanomaly

52.8128, 50.6145, 86.3429

Deuteranomaly

53.6574, 50.8275, 82.5839

Tritanomaly

53.8889, 50.9663, 67.9700

Monochromacy



Original Color

56.8660, 50.9721, 83.1854

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

52.5860, 52.1878, 66.3331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8660, 50.9721, 83.1854 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, 177, 232)` looks like.

```
.text, #text, p{  
    color:rgb(210, 177, 232)  
}
```

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, 177, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 177, 232) }
```

Border

The CSS property to change the border of an element to XYZ 56.8660, 50.9721, 83.1854 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, 177, 232) }
```


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

```
.border{ border-color:rgb(210, 177, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 177, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 177, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 177, 232);  
box-shadow:4px 4px 4px 4px rgb(210, 177,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8660, 50.9721, 83.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 177, 232) }
```

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

```
.background{ background-color: rgb(210,  
177, 232) }
```

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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