

Converting Colors

XYZ(50.3502, 43.9547, 68.6723)

Have a look what the booklet for
XYZ(50.3502, 43.9547, 68.6723)
contains.

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Color

**XYZ(50.2843, 43.9776,
68.7891)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA3D5
RGB	205, 163, 213
RGB Percent	80%, 64%, 84%
CMY	0.1961, 0.3608, 0.1647
CMYK	0.04, 0.23, 0.00, 0.16
HSL	290°, 37%, 74%
HSV	290°, 23%, 84%
XYZ	50.2843, 43.9776, 68.7891
YIQ	181.2580, 8.9820, 24.4540

Conversions

Conversions Part 2

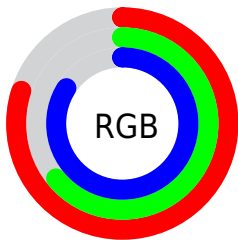
Format	Color
R _Y B	205, 163, 213
Decimal	13476821
CIE Lab	72.21, 24.16, -19.52
CIE LCh	72, 31.061, 321.063
Yxy	43.9776, 0.3084, 0.2697
Android (android.graphics.Color)	4291666901 (0xFFCDA3D5)
YUV	181.2580, 15.6488, 20.8217
Hunter-Lab	66.3156, 19.2966, -15.0805

Details

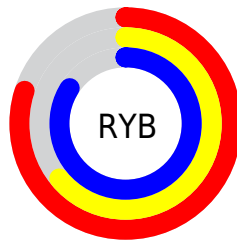
The XYZ color **50.2843, 43.9776, 68.7891** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.2012, 58.8919, 43.5319**, and the grayscale version is **43.9762, 46.2664, 50.3841**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **24.4337, 20.3215, 34.9824** is the 20% darker color. If you saturate the color by 10%, you get **45.8868, 36.5622, 67.5902**, and if you desaturate by 10%, it is **55.3420, 52.6812, 70.2031**.

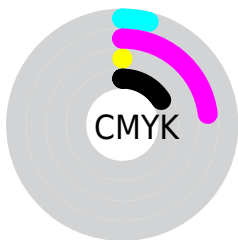
Distribution



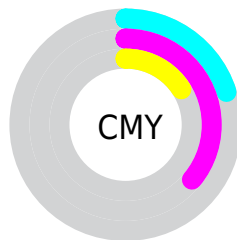
- Red (80%)
- Green (64%)
- Blue (84%)



- Red (80%)
- Yellow (64%)
- Blue (84%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2843, 43.9776, 68.7891 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 50.2843, 43.9776, 68.7891 by changing the saturation by 10% instead.


 50.2843, 43.9776,
68.7891


 50.2843, 43.9776,
68.7891


378.2103,
362.6169, 474.9606

 35.8581, 30.6529,
50.0693


 89.7853, 81.1840,
119.1452

 24.4942, 20.3347,
35.0969


 115.5907,
105.8346, 151.6185

 15.8273, 12.6386,
23.4534


145.9200,
135.0291, 189.5134

 9.4921, 7.1801,
14.7202

181.1383,
169.1522, 233.2484

 5.1232, 3.5750,
8.4788

221.6112,
208.5881, 283.2421

 2.3552, 1.4388,
4.3107

267.7039,

 0.8227, 0.2451,

253.7212, 339.9130

1.7973

319.7818,
304.9360, 403.6796

■ 0.0000, 0.0000,
0.4262

■ 0.0000, 0.0000,
0.0000

■ 50.2843, 43.9776,
68.7891

■ 50.2843, 43.9776,
68.7891

■ 45.8868, 36.5622,
67.5902

■ 55.3420, 52.6812,
70.2031

■ 42.1133, 30.3656,
66.5930

■ 61.0855, 62.7266,
71.8394

■ 38.9304, 25.3201,
65.7869

■ 67.5441, 74.1715,
73.7081

■ 36.2998, 21.3495,
65.1592

■ 74.7441, 87.0683,
75.8179

34.1787, 18.3681,
64.6955

77.9073, 91.8603,
76.5762

32.5175, 16.2771,
64.3794

78.9621, 92.4041,
76.6255

31.2564, 14.9570,
64.1911

80.0380, 92.9587,
76.6759

30.5826, 14.3785,
64.1149

81.1354, 93.5244,
76.7272

82.2541, 94.1012,
76.7796

Harmonies

Analogous

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



45.5900, 43.9776, 80.8100



50.2843, 43.9776, 68.7891



52.7573, 43.9776, 52.5877

Triad

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



50.2843, 43.9776, 68.7891



43.4110, 43.9776, 24.3567



32.9503, 43.9776, 59.2205

Complementary

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



50.2843, 43.9776, 68.7891



47.2012, 58.8919, 43.5319

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.



32.4747, 43.9776, 43.4697



50.2843, 43.9776, 68.7891



38.2249, 43.9776, 25.3932

Square

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



50.2843, 43.9776, 68.7891



48.5733, 43.9776, 28.4976



34.3271, 43.9776, 31.7119



35.6865, 43.9776, 74.5205

Rectangle

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



50.2843, 43.9776, 68.7891



52.6802, 43.9776, 42.4724



34.3271, 43.9776, 31.7119



32.5305, 43.9776, 53.7370

Sweetspot

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



50.2857, 43.9795, 68.7901



88.5747, 88.5976, 107.0404



41.7422, 41.8445, 68.8283



18.8445, 18.7636, 22.8785



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.



50.2857, 43.9795, 68.7901



72.2688, 60.4924, 102.4750



50.5409, 44.3431, 58.3203



12.7488, 12.5274, 15.6836



18.7533, 8.8202, 39.1672



1.1846, 0.5596, 2.3649

Inverse Universe

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



47.8899, 43.2827, 44.3603



68.1505, 59.3162, 59.5012



47.1043, 58.6579, 51.8434



12.5035, 12.4529, 13.3256



16.9637, 8.7218, 1.8468



1.0490, 0.5364, 0.2474

Previews

White Background



This preview shows how the XYZ color 50.2843, 43.9776, 68.7891 looks on a white background.

Color Contrast Check

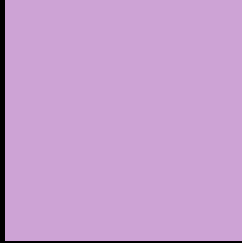
Large Text (above 18pt) WCAG AA × Fail

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 50.2843, 43.9776, 68.7891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

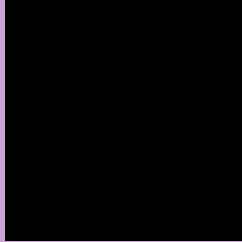
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2843, 43.9776, 68.7891

Background



This preview shows how black text looks on a background with the XYZ color 50.2843, 43.9776, 68.7891.



This preview shows how white text looks on a background with the XYZ color 50.2843, 43.9776,

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

50.2843, 43.9776, 68.7891

Protanopia

44.2407, 44.0409, 75.2762

Deuteranopia

45.0615, 44.0553, 67.7565



Tritanopia

46.4509, 44.0327, 50.3069

Trichromacy



Original Color

50.2843, 43.9776, 68.7891

Protanomaly

46.1715, 43.9436, 73.0663

Deuteranomaly

46.8107, 43.8208, 68.2784

Tritanomaly

47.8015, 44.0442, 56.4341

Monochromacy



Original Color

50.2843, 43.9776, 68.7891

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.9969, 45.0695, 56.7271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2843, 43.9776, 68.7891 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(205, 163, 213)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 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(205, 163, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 213) }
```

Border

The CSS property to change the border of an element to XYZ 50.2843, 43.9776, 68.7891 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(205, 163, 213) }
```


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

```
.border{ border-color:rgb(205, 163, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 213);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2843, 43.9776, 68.7891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 213) }
```

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

```
.background{ background-color: rgb(205,  
163, 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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