

# Converting Colors

XYZ(56.4350, 52.2782, 66.4787)

Have a look what the booklet for  
XYZ(56.4350, 52.2782, 66.4787)  
contains.

<b>XYZ(56.5243, 52.3535, 66.8006)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.5243, 52.3535,  
66.8006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9B5D0
RGB	217, 181, 208
RGB Percent	85%, 71%, 82%
CMY	0.1490, 0.2902, 0.1843
CMYK	0.00, 0.17, 0.04, 0.15
HSL	315°, 32%, 78%
HSV	315°, 17%, 85%
XYZ	56.5243, 52.3535, 66.8006
YIQ	194.8420, 12.7890, 16.0290

# Conversions

## Conversions Part 2

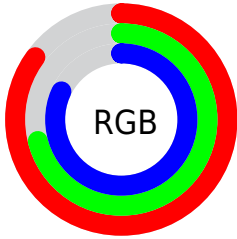
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 181, 208
Decimal	14267856
CIE Lab	77.49, 17.49, -8.75
CIE LCh	77, 19.556, 333.419
Yxy	52.3535, 0.3217, 0.2980
Android (android.graphics.Color)	4292457936 (0xFFD9B5D0)
YUV	194.8420, 6.4869, 19.4326
Hunter-Lab	72.3557, 12.8217, -4.0890

# Details

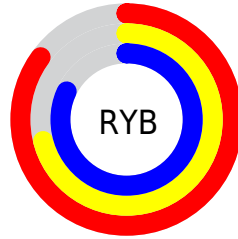
The XYZ color **56.5243, 52.3535, 66.8006** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1652, 63.1686, 58.1087**, and the grayscale version is **51.7363, 54.4306, 59.2749**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **28.4522, 25.4528, 33.9851** is the 20% darker color. If you saturate the color by 10%, you get **51.7952, 43.9447, 61.9874**, and if you desaturate by 10%, it is **61.9665, 62.1504, 71.9654**.

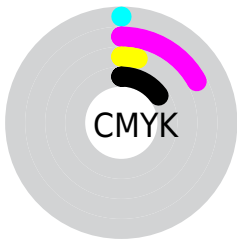
# Distribution



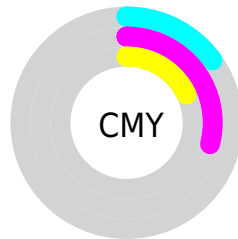
- Red (85%)
- Green (71%)
- Blue (82%)



- Red (85%)
- Yellow (71%)
- Blue (82%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (15%)




- Cyan (15%)
- Magenta (29%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5243, 52.3535, 66.8006 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 56.5243, 52.3535, 66.8006 by changing the saturation by 10% instead.





 56.5243, 52.3535,  
66.8006

 56.5243, 52.3535,  
66.8006

401.7075,  
395.7998, 467.7168

 40.8621, 37.2869,  
48.4620

 98.9061, 93.6524,  
116.2726

 28.3985, 25.4297,  
33.8303


126.3564,  
120.6534, 148.2431

 18.7683, 16.3975,  
22.4870


158.4668,  
152.4015, 185.5946

 11.6060, 9.8059,  
14.0134

195.6027,  
189.2809, 228.7457

 6.5463, 5.2704,  
7.9911

238.1293,  
231.6760, 278.1149

 3.2238, 2.4068,  
4.0016

286.4121,

 1.2732, 0.8294,

279.9713, 334.1208

1.6262

340.8163,  
334.5511, 397.1820

■ 0.1630, 0.0000,  
0.3094

■ 0.0000, 0.0000,  
0.0000

■ 56.5243, 52.3535,  
66.8006

■ 56.5243, 52.3535,  
66.8006

■ 51.7952, 43.9447,  
61.9874

■ 61.9665, 62.1504,  
71.9654

■ 47.7427, 36.8537,  
57.5106

■ 68.1471, 73.3880,  
77.4896

■ 44.3339, 31.0143,  
53.3589

■ 75.0958, 86.1245,  
83.3846

■ 41.5313, 26.3516,  
49.5185

■ 78.6170, 91.9684,  
88.2530

39.2932, 22.7831,  
45.9744

79.3897, 92.2775,  
92.3223

37.5728, 20.2152,  
42.7099

80.1864, 92.5962,  
96.5175

36.3153, 18.5389,  
39.7054

81.0072, 92.9245,  
100.8398

35.4508, 17.6146,  
36.9364

81.8523, 93.2626,  
105.2902

35.2037, 17.3871,  
36.0313

82.4256, 93.4919,  
108.3092

# Harmonies

## Analogous

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



53.8579, 52.3535, 76.1337



56.5243, 52.3535, 66.8006



57.3478, 52.3535, 55.7755

# Triad

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



56.5243, 52.3535, 66.8006



49.3296, 52.3535, 38.7007



43.9555, 52.3535, 69.2114

# Complementary

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



56.5243, 52.3535, 66.8006



53.1652, 63.1686, 58.1087

# 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.



42.8737, 52.3535, 58.2505



56.5243, 52.3535, 66.8006



45.8762, 52.3535, 41.3815

# Square

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



56.5243, 52.3535, 66.8006



53.0728, 52.3535, 40.3900



43.5589, 52.3535, 48.2154



46.5888, 52.3535, 77.6443



# Rectangle

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



56.5243, 52.3535, 66.8006



56.7084, 52.3535, 49.1492



43.5589, 52.3535, 48.2154



43.4045, 52.3535, 65.6542

# Sweetspot

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



56.5258, 52.3558, 66.8017



90.6075, 91.9296, 104.9081



50.2856, 49.0073, 72.4555



19.2648, 19.4431, 22.3369



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.



56.5258, 52.3558, 66.8017



78.8973, 70.8715, 93.7215



54.4352, 51.5196, 55.7927



13.4680, 13.2163, 15.7258



21.3545, 10.5428, 22.0445



1.4171, 0.6965, 1.6054



# Inverse Universe

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



56.5258, 52.3558, 66.8017



78.8973, 70.8715, 93.7215



55.2558, 64.0049, 69.1178



13.4680, 13.2163, 15.7258



21.3545, 10.5428, 22.0445



1.4171, 0.6965, 1.6054



# Previews

## White Background



This preview shows how the XYZ color 56.5243, 52.3535, 66.8006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

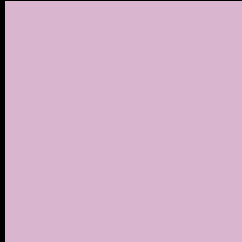
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5243, 52.3535, 66.8006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

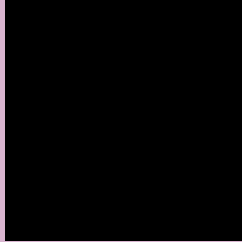
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.5243, 52.3535, 66.8006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.5243, 52.3535, 66.8006.



This preview shows how white text looks on a background with the XYZ color 56.5243, 52.3535,



# 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

56.5243, 52.3535, 66.8006

### Protanopia

51.5373, 52.5008, 71.0357

### Deuteranopia

53.4500, 52.3193, 66.3130



## Tritanopia

55.0359, 52.3453, 60.0263

# Trichromacy



## Original Color

56.5243, 52.3535, 66.8006

## Protanomaly

53.2072, 52.4362, 69.6042

## Deuteranomaly

54.4154, 52.1959, 66.2383

## Tritanomaly

55.5895, 52.2719, 62.4179

# Monochromacy



## Original Color

56.5243, 52.3535, 66.8006

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

53.4674, 53.6936, 62.1894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5243, 52.3535, 66.8006 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(217, 181, 208)` looks like.

```
.text, #text, p{  
    color:rgb(217, 181, 208)  
}
```

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(217, 181, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 181, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5243, 52.3535, 66.8006 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(217, 181, 208) }
```



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

```
.border{ border-color:rgb(217, 181, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 181, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 181, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 181, 208);  
box-shadow:4px 4px 4px 4px rgb(217, 181,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5243, 52.3535, 66.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 181, 208) }
```

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

```
.background{ background-color: rgb(217,  
181, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor