

# Converting Colors

XYZ(58.1434, 51.8871, 65.2430)

Have a look what the booklet for  
XYZ(58.1434, 51.8871, 65.2430)  
contains.

<b>XYZ(58.2267, 52.0693, 65.3740)</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(58.2267, 52.0693,  
65.3740)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2B1CE
RGB	226, 177, 206
RGB Percent	89%, 69%, 81%
CMY	0.1137, 0.3059, 0.1922
CMYK	0.00, 0.22, 0.09, 0.11
HSL	324°, 46%, 79%
HSV	324°, 22%, 89%
XYZ	58.2267, 52.0693, 65.3740
YIQ	194.9570, 19.8950, 19.4070

# Conversions

## Conversions Part 2

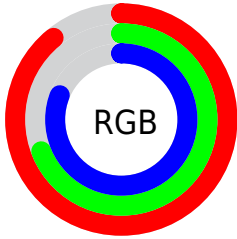
Format	Color
R <sub>Y</sub> B	226, 177, 206
Decimal	14856654
CIE Lab	77.32, 22.40, -7.82
CIE LCh	77, 23.726, 340.745
Yxy	52.0693, 0.3315, 0.2964
Android (android.graphics.Color)	4293046734 (0xFFE2B1CE)
YUV	194.9570, 5.4442, 27.2247
Hunter-Lab	72.1591, 17.7571, -3.2037

# Details

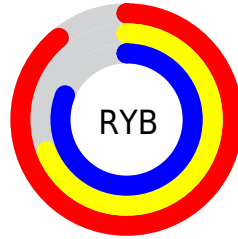
The XYZ color **58.2267, 52.0693, 65.3740** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.4079, 67.7723, 62.9875**, and the grayscale version is **51.8078, 54.5058, 59.3568**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **29.4527, 25.2283, 33.0230** is the 20% darker color. If you saturate the color by 10%, you get **53.0393, 43.4351, 58.2771**, and if you desaturate by 10%, it is **64.2222, 62.2129, 73.0660**.

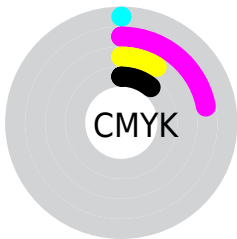
# Distribution



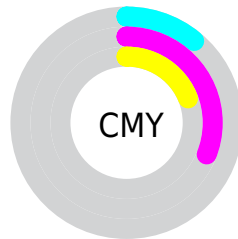
- Red (89%)
- Green (69%)
- Blue (81%)



- Red (89%)
- Yellow (69%)
- Blue (81%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (11%)




- Cyan (11%)
- Magenta (31%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2267, 52.0693, 65.3740 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 58.2267, 52.0693, 65.3740 by changing the saturation by 10% instead.



 58.2267, 52.0693,  
65.3740

 58.2267, 52.0693,  
65.3740

407.9704,  
394.7041, 462.4777

 42.2349, 37.0603,  
47.3111


 101.3740, 93.2334,  
114.2058

 29.4772, 25.2542,  
32.9256


129.2602,  
120.1574, 145.8118

 19.5882, 16.2665,  
21.7988


161.8419,  
151.8218, 182.7693

 12.2026, 9.7130,  
13.5122

199.4844,  
188.6110, 225.4968

 6.9550, 5.2091,  
7.6474

242.5532,  
230.9094, 274.4129

 3.4800, 2.3704,  
3.7856

291.4136,

 1.4124, 0.8106,

279.1015, 329.9360

1.5085

346.4308,  
333.5716, 392.4848

■ 0.2650, 0.0000,  
0.2242

■ 0.0000, 0.0000,  
0.0000

■ 58.2267, 52.0693,  
65.3740

■ 58.2267, 52.0693,  
65.3740

■ 53.0393, 43.4351,  
58.2771

■ 64.2222, 62.2129,  
73.0660

■ 48.6179, 36.2301,  
51.7540

■ 71.0561, 73.9271,  
81.3669

■ 44.9234, 30.3774,  
45.7867

■ 78.7628, 87.2782,  
90.2939

■ 41.9114, 25.7898,  
40.3544

■ 83.2872, 94.1540,  
98.5004

■ 39.5322, 22.3699,  
35.4346

■ 84.7152, 94.7252,  
106.0202

■ 37.7288, 20.0059,  
31.0022

■ 85.1743, 94.9089,  
108.4378

■ 36.4332, 18.5638,  
27.0281

■ 35.6498, 17.8831,  
24.0351

# Harmonies

## Analogous

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



55.4291, 52.0693, 77.8978



58.2267, 52.0693, 65.3740



58.6023, 52.0693, 52.1459

# Triad

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



58.2267, 52.0693, 65.3740



47.8754, 52.0693, 35.4514



43.1477, 52.0693, 74.6906

# Complementary

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



58.2267, 52.0693, 65.3740



55.4079, 67.7723, 62.9875

# 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.



41.3755, 52.0693, 61.5005



58.2267, 52.0693, 65.3740



43.9916, 52.0693, 39.7370

# Square

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



58.2267, 52.0693, 65.3740



52.4347, 52.0693, 36.1604



41.6747, 52.0693, 48.8196



46.6582, 52.0693, 83.8212



# Rectangle

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



58.2267, 52.0693, 65.3740



57.4048, 52.0693, 44.8152



41.6747, 52.0693, 48.8196



42.3389, 52.0693, 70.5071

# Sweetspot

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



58.2282, 52.0716, 65.3751



88.4665, 88.6748, 101.0275



52.3731, 48.7544, 78.6022



18.8196, 18.7816, 21.4828



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.



58.2282, 52.0716, 65.3751



73.3679, 63.1242, 81.6699



55.5212, 50.9888, 51.1201



14.0459, 13.8360, 16.0119



20.3984, 10.2264, 14.0296



1.4580, 0.7265, 1.2047



# Inverse Universe

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



58.2282, 52.0716, 65.3751



73.3679, 63.1242, 81.6699



58.3939, 68.9668, 78.7116



14.0459, 13.8360, 16.0119



20.3984, 10.2264, 14.0296

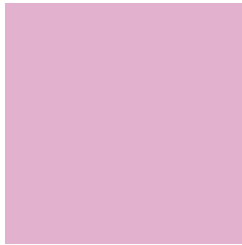


1.4580, 0.7265, 1.2047



# Previews

## White Background



This preview shows how the XYZ color 58.2267, 52.0693, 65.3740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

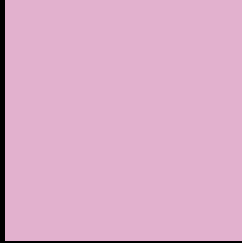
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2267, 52.0693, 65.3740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

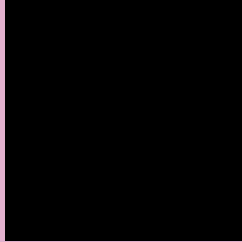
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.2267, 52.0693, 65.3740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2267, 52.0693, 65.3740.



This preview shows how white text looks on a background with the XYZ color 58.2267, 52.0693,

65.3740.

# 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

58.2267, 52.0693, 65.3740

### Protanopia

51.2901, 52.3733, 71.0241

### Deuteranopia

53.3598, 52.3148, 64.4121



## Tritanopia

56.4862, 51.9377, 57.4999

# Trichromacy



## Original Color

58.2267, 52.0693, 65.3740

## Protanomaly

53.4640, 51.9576, 68.8390

## Deuteranomaly

55.1043, 52.2718, 64.9428

## Tritanomaly

57.1648, 51.9256, 60.4358

# Monochromacy



## Original Color

58.2267, 52.0693, 65.3740

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

53.7456, 53.2118, 61.4710

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2267, 52.0693, 65.3740 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(226, 177, 206)` looks like.

```
.text, #text, p{  
    color:rgb(226, 177, 206)  
}
```

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(226, 177, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 177, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2267, 52.0693, 65.3740 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(226, 177, 206) }
```



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

```
.border{ border-color:rgb(226, 177, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 177, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 177, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 177, 206);  
box-shadow:4px 4px 4px 4px rgb(226, 177,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2267, 52.0693, 65.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 177, 206) }
```

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

```
.background{ background-color: rgb(226,  
177, 206) }
```

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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