

# Converting Colors

XYZ(65.9900, 57.8876, 93.2909)

Have a look what the booklet for  
XYZ(65.9900, 57.8876, 93.2909)  
contains.

<b>XYZ(65.9912, 57.8876, 93.2833)</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(65.9912, 57.8876,  
93.2833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5B9F4
RGB	229, 185, 244
RGB Percent	90%, 73%, 96%
CMY	0.1020, 0.2745, 0.0431
CMYK	0.06, 0.24, 0.00, 0.04
HSL	285°, 73%, 84%
HSV	285°, 24%, 96%
XYZ	65.9912, 57.8876, 93.2833
YIQ	204.8820, 7.2850, 27.6770

# Conversions

## Conversions Part 2

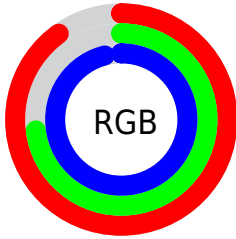
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 185, 244
Decimal	15055348
CIE Lab	80.68, 26.04, -23.27
CIE LCh	81, 34.919, 318.212
Yxy	57.8876, 0.3039, 0.2666
Android (android.graphics.Color)	4293245428 (0xFFE5B9F4)
YUV	204.8820, 19.2852, 21.1515
Hunter-Lab	76.0839, 21.6747, -19.4343

# Details

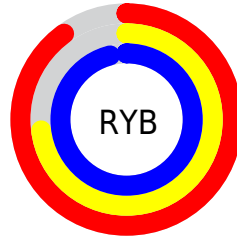
The XYZ color **65.9912, 57.8876, 93.2833** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.9291, 80.4850, 58.0148**, and the grayscale version is **57.8330, 60.8448, 66.2600**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **34.5619, 29.0176, 51.3563** is the 20% darker color. If you saturate the color by 10%, you get **59.3746, 47.5395, 91.6355**, and if you desaturate by 10%, it is **73.5581, 70.0289, 95.2289**.

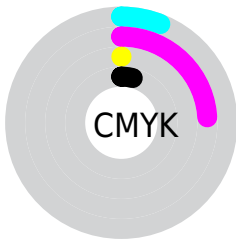
# Distribution



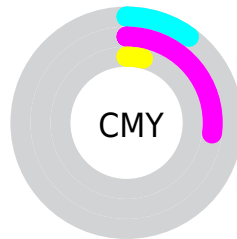
- Red (90%)
- Green (73%)
- Blue (96%)



- Red (90%)
- Yellow (73%)
- Blue (96%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)




- Cyan (10%)
- Magenta (27%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9912, 57.8876, 93.2833 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 65.9912, 57.8876, 93.2833 by changing the saturation by 10% instead.





 65.9912, 57.8876,  
93.2833

 65.9912, 57.8876,  
93.2833


435.8345,  
416.7670, 559.4978

 48.5329, 41.7183,  
70.1180


 112.5315,  
101.7592, 153.8659

 34.4621, 28.8808,  
51.1454


142.3443,  
130.2302, 192.1202

 23.4134, 18.9906,  
35.9468


177.0059,  
163.5706, 236.2414

 15.0214, 11.6635,  
24.1037

216.8817,  
202.1648, 286.6479

 8.9208, 6.5150,  
15.1977

262.3372,  
246.3971, 343.7582

 4.7463, 3.1607,  
8.8101

313.7375,

 2.1324, 1.2162,

296.6520, 407.9909

4.5224

371.4482,  
353.3138, 479.7646

■ 0.7067, 0.0749,  
1.9161

■ 0.0000, 0.0000,  
0.5029

■ 65.9912, 57.8876,  
93.2833

■ 65.9912, 57.8876,  
93.2833

■ 59.3746, 47.5395,  
91.6355

■ 73.5581, 70.0289,  
95.2289

■ 53.6573, 38.8875,  
90.2669

■ 82.1121, 84.0394,  
97.4823

■ 48.7918, 31.8361,  
89.1622

■ 90.6634, 97.9374,  
99.7142

■ 44.7237, 26.2777,  
88.3038

■ 92.8951, 99.0879,  
99.8186

41.3916, 22.0908,  
87.6712

93.3293, 99.3117,  
99.8390

38.7246, 19.1348,  
87.2412

36.6362, 17.2375,  
86.9851

35.6126, 16.4726,  
86.8914

# Harmonies

## Analogous

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



59.4574, 57.8876, 108.6427



65.9912, 57.8876, 93.2833



69.7013, 57.8876, 71.4737

# Triad

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



65.9912, 57.8876, 93.2833



57.8948, 57.8876, 31.6612



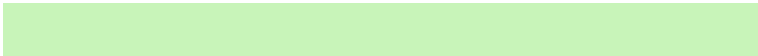
42.8998, 57.8876, 76.2381

# Complementary

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



65.9912, 57.8876, 93.2833



64.9291, 80.4850, 58.0148

# 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.



42.5609, 57.8876, 55.2785



65.9912, 57.8876, 93.2833



50.8099, 57.8876, 32.3927

# Square

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



65.9912, 57.8876, 93.2833



64.7618, 57.8876, 37.8673



45.3384, 57.8876, 40.1463



46.3085, 57.8876, 97.4191



# Rectangle

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



65.9912, 57.8876, 93.2833



69.8770, 57.8876, 57.5394



45.3384, 57.8876, 40.1463



42.4347, 57.8876, 68.8587

# Sweetspot

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



65.9930, 57.8901, 93.2846



87.9677, 88.2847, 107.0120



57.1636, 58.4976, 93.8672



18.7036, 18.6909, 22.8719



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.



65.9930, 57.8901, 93.2846



69.2422, 58.1550, 102.1833



68.9747, 59.6597, 82.9165



16.7783, 16.5439, 20.8515



19.4968, 9.0253, 47.2525



1.8079, 0.8419, 4.1574



# Inverse Universe

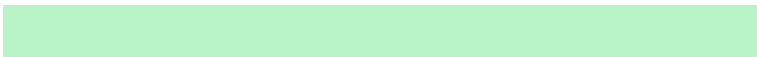
The Inverse Universe completely reimagines the original color for something new.



65.0845, 58.1037, 62.4310



68.1820, 58.4913, 62.2488



62.6420, 79.1299, 65.8654



16.6720, 16.5516, 18.0192



20.8059, 10.6658, 3.6862

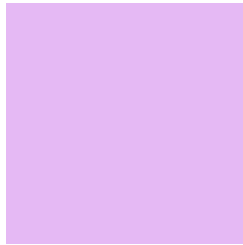


1.8685, 0.9534, 0.5342



# Previews

## White Background



This preview shows how the XYZ color 65.9912, 57.8876, 93.2833 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

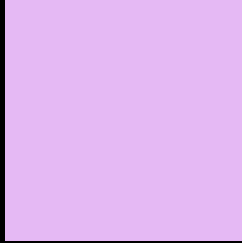
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9912, 57.8876, 93.2833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

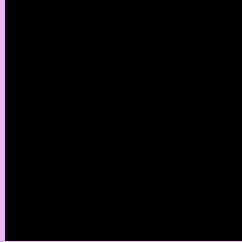
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.9912, 57.8876, 93.2833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9912, 57.8876, 93.2833.



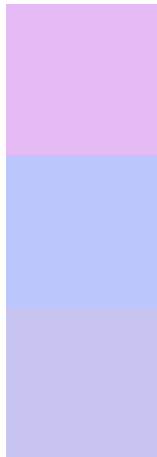
This preview shows how white text looks on a background with the XYZ color 65.9912, 57.8876,



# 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

65.9912, 57.8876, 93.2833

### Protanopia

58.4172, 58.0448, 101.0534

### Deuteranopia

59.3201, 58.0328, 92.0793



## Tritanopia

60.5435, 57.8922, 67.0148

# Trichromacy



## Original Color

65.9912, 57.8876, 93.2833

## Protanomaly

60.6824, 57.5986, 98.3618

## Deuteranomaly

61.6056, 57.8720, 92.7175

## Tritanomaly

62.1672, 57.5701, 75.5457

# Monochromacy



## Original Color

65.9912, 57.8876, 93.2833

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

60.7118, 59.7988, 75.3603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9912, 57.8876, 93.2833 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(229, 185, 244)` looks like.

```
.text, #text, p{  
    color:rgb(229, 185, 244)  
}
```

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(229, 185, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 185, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9912, 57.8876, 93.2833 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(229, 185, 244) }
```



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

```
.border{ border-color:rgb(229, 185, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 185, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 185, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 185, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 185,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9912, 57.8876, 93.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 185, 244) }
```

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

```
.background{ background-color: rgb(229,  
185, 244) }
```

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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