

# Converting Colors

XYZ(64.9723, 56.9663, 93.1839)

Have a look what the booklet for  
XYZ(64.9723, 56.9663, 93.1839)  
contains.

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# Color

**XYZ(65.1482, 57.1435,  
93.1841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3B8F4
RGB	227, 184, 244
RGB Percent	89%, 72%, 96%
CMY	0.1098, 0.2784, 0.0431
CMYK	0.07, 0.25, 0.00, 0.04
HSL	283°, 73%, 84%
HSV	283°, 25%, 96%
XYZ	65.1482, 57.1435, 93.1841
YIQ	203.6970, 6.3680, 27.7760

# Conversions

## Conversions Part 2

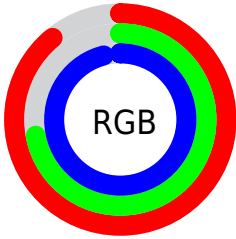
Format	Color
R <sub>Y</sub> B	227, 184, 244
Decimal	14924020
CIE Lab	80.26, 25.94, -23.92
CIE LCh	80, 35.281, 317.316
Yxy	57.1435, 0.3023, 0.2652
Android (android.graphics.Color)	4293114100 (0xFFE3B8F4)
YUV	203.6970, 19.8694, 20.4367
Hunter-Lab	75.5933, 21.5474, -20.1716

# Details

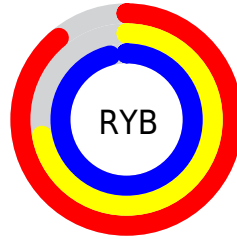
The XYZ color **65.1482, 57.1435, 93.1841** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.0917, 80.5810, 57.4730**, and the grayscale version is **57.0807, 60.0533, 65.3980**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **33.9880, 28.5214, 51.2908** is the 20% darker color. If you saturate the color by 10%, you get **58.3737, 46.7660, 91.5390**, and if you desaturate by 10%, it is **72.8880, 69.3193, 95.1272**.

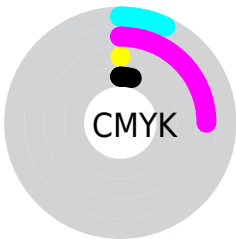
# Distribution



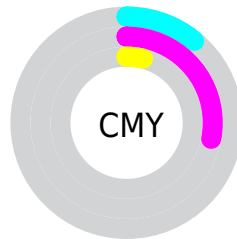
- Red (89%)
- Green (72%)
- Blue (96%)



- Red (89%)
- Yellow (72%)
- Blue (96%)



- Cyan (7%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (28%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1482, 57.1435, 93.1841 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 65.1482, 57.1435, 93.1841 by changing the saturation by 10% instead.



65.1482, 57.1435,  
93.1841

65.1482, 57.1435,  
93.1841

432.8611,  
413.9868, 559.1702

47.8464, 41.1205,  
70.0360

111.3274,  
100.6745, 153.7274

33.9160, 28.4132,  
51.0789

140.9356,  
128.9513, 191.9597

22.9917, 18.6374,  
35.8942

175.3765,  
162.0815, 236.0571

14.7080, 11.4086,  
24.0635

215.0157,  
200.4494, 286.4382

8.6997, 6.3423,  
15.1681

260.2183,  
244.4396, 343.5215

4.6014, 3.0543,  
8.7895

311.3499,

2.0477, 1.1602,

294.4362, 407.7256

4.5092

368.7757,  
350.8238, 479.4690

■ 0.6605, 0.0288,  
1.9086

■ 0.0000, 0.0000,  
0.4982

■ 65.1482, 57.1435,  
93.1841

■ 65.1482, 57.1435,  
93.1841

■ 58.3737, 46.7660,  
91.5390

■ 72.8880, 69.3193,  
95.1272

■ 52.5133, 38.0892,  
90.1730

■ 81.6303, 83.3699,  
97.3785

■ 47.5188, 31.0173,  
89.0713

■ 90.7094, 97.9611,  
99.7163

■ 43.3352, 25.4419,  
88.2156

■ 93.2028, 99.2465,  
99.8330

■ 39.9007, 21.2408,  
87.5857

■ 93.3293, 99.3117,  
99.8390

■ 37.1435, 18.2720,  
87.1580

■ 34.9758, 16.3619,  
86.9036

■ 33.9786, 15.6303,  
86.8149

# Harmonies

## Analogous

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



58.5424, 57.1435, 108.3095



65.1482, 57.1435, 93.1841



68.9827, 57.1435, 71.3451

# Triad

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



65.1482, 57.1435, 93.1841



57.4125, 57.1435, 30.9812



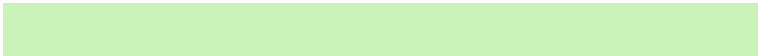
42.1306, 57.1435, 74.7934

# Complementary

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



65.1482, 57.1435, 93.1841



65.0917, 80.5810, 57.4730

# 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.



41.8864, 57.1435, 53.9074



65.1482, 57.1435, 93.1841



50.2927, 57.1435, 31.5056

# Square

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



65.1482, 57.1435, 93.1841



64.2582, 57.1435, 37.3711



44.7515, 57.1435, 39.0090



45.4511, 57.1435, 96.1847



# Rectangle

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



65.1482, 57.1435, 93.1841



69.2472, 57.1435, 57.3019



44.7515, 57.1435, 39.0090



41.6972, 57.1435, 67.4108

# Sweetspot

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



65.1500, 57.1459, 93.1853



87.7814, 88.1886, 107.0033



57.2190, 58.9655, 93.9546



18.6604, 18.6687, 22.8699



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.



65.1500, 57.1459, 93.1853



67.7805, 56.6385, 101.9676



69.0159, 59.3426, 84.1621



16.7293, 16.5186, 20.8492



18.6161, 8.5713, 47.2113



1.7365, 0.8051, 4.1541



# Inverse Universe

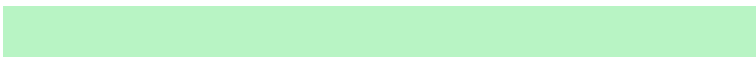
The Inverse Universe completely reimagines the original color for something new.



64.9932, 57.7335, 62.9789



67.7059, 57.4785, 62.2769



62.0836, 78.8787, 64.1800



16.6921, 16.5597, 18.1254



20.9229, 10.7126, 4.3022

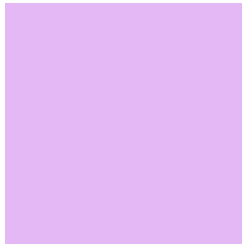


1.8812, 0.9584, 0.6006



# Previews

## White Background



This preview shows how the XYZ color 65.1482, 57.1435, 93.1841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

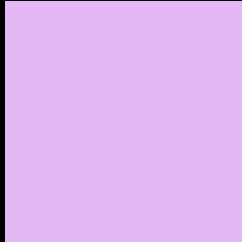
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1482, 57.1435, 93.1841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

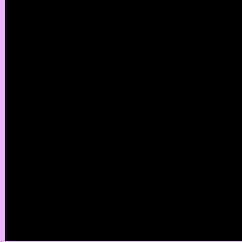
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.1482, 57.1435, 93.1841

## Background



This preview shows how black text looks on a background with the XYZ color 65.1482, 57.1435, 93.1841.



This preview shows how white text looks on a background with the XYZ color 65.1482, 57.1435,



# 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

65.1482, 57.1435, 93.1841

### Protanopia

57.7035, 57.3386, 100.9547

### Deuteranopia

58.5681, 57.3113, 91.9797



## Tritanopia

59.5902, 57.0900, 66.2712

# Trichromacy



## Original Color

65.1482, 57.1435, 93.1841



## Protanomaly

59.9244, 56.8808, 98.2632



## Deuteranomaly

60.8209, 57.1426, 92.6180



## Tritanomaly

61.3329, 56.8217, 75.4452

# Monochromacy



## Original Color

65.1482, 57.1435, 93.1841



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

59.9038, 59.0440, 75.2572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1482, 57.1435, 93.1841 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(227, 184, 244)` looks like.

```
.text, #text, p{  
    color:rgb(227, 184, 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(227, 184, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 184, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1482, 57.1435, 93.1841 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(227, 184, 244) }
```



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

```
.border{ border-color:rgb(227, 184, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 184, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 184, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 184, 244);  
box-shadow:4px 4px 4px 4px rgb(227, 184,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1482, 57.1435, 93.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 184, 244) }
```

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

```
.background{ background-color: rgb(227,  
184, 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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