

# Converting Colors

XYZ(64.6021, 57.5736, 84.0891)

Have a look what the booklet for  
XYZ(64.6021, 57.5736, 84.0891)  
contains.

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# Color

**XYZ(64.7575, 57.7670,  
84.0810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BAE8
RGB	230, 186, 232
RGB Percent	90%, 73%, 91%
CMY	0.0980, 0.2706, 0.0902
CMYK	0.01, 0.20, 0.00, 0.09
HSL	297°, 50%, 82%
HSV	297°, 20%, 91%
XYZ	64.7575, 57.7670, 84.0810
YIQ	204.4000, 11.4580, 23.6340

# Conversions

## Conversions Part 2

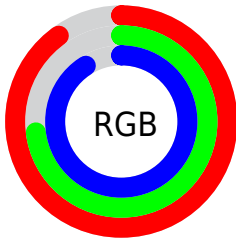
Format	Color
R <sub>Y</sub> B	230, 186, 232
Decimal	15121128
CIE Lab	80.61, 23.55, -16.92
CIE LCh	81, 28.998, 324.301
Yxy	57.7670, 0.3134, 0.2796
Android (android.graphics.Color)	4293311208 (0xFFE6BAE8)
YUV	204.4000, 13.6068, 22.4512
Hunter-Lab	76.0046, 19.0776, -12.3870

# Details

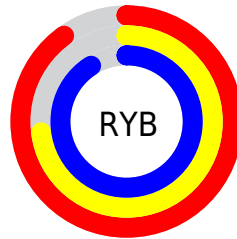
The XYZ color **64.7575, 57.7670, 84.0810** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **58.4607, 71.9513, 57.2641**, and the grayscale version is **57.5605, 60.5581, 65.9478**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **33.6796, 28.9083, 44.8791** is the 20% darker color. If you saturate the color by 10%, you get **59.9391, 48.6083, 82.5680**, and if you desaturate by 10%, it is **70.3748, 68.5186, 85.8611**.

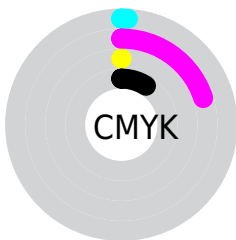
# Distribution



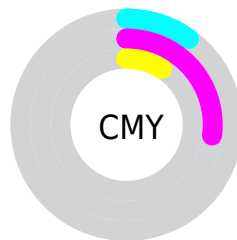
- Red (90%)
- Green (73%)
- Blue (91%)



- Red (90%)
- Yellow (73%)
- Blue (91%)



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (27%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7575, 57.7670, 84.0810 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 64.7575, 57.7670, 84.0810 by changing the saturation by 10% instead.



 64.7575, 57.7670,  
84.0810

 64.7575, 57.7670,  
84.0810


431.4790,  
416.3172, 528.6473

 47.5284, 41.6214,  
62.5365

 110.7688,  
101.5835, 140.9512

 33.6633, 28.8049,  
45.0278


140.2817,  
130.0231, 177.1140

 22.7967, 18.9333,  
31.1362


174.6200,  
163.3295, 218.9868

 14.5633, 11.6221,  
20.4433

214.1490,  
201.8871, 266.9879

 8.5978, 6.4869,  
12.5304

259.2340,  
246.0803, 321.5359

 4.5348, 3.1433,  
6.9791

310.2405,

 2.0089, 1.2070,

296.2934, 383.0495

3.3708

367.5337,  
352.9109, 451.9471

■ 0.6390, 0.0674,  
1.2869

■ 0.0000, 0.0000,  
0.0510

■ 64.7575, 57.7670,  
84.0810

■ 64.7575, 57.7670,  
84.0810

■ 59.9391, 48.6083,  
82.5680

■ 70.3748, 68.5186,  
85.8611

■ 55.8760, 40.9586,  
81.3056


■ 76.8213, 80.9270,  
87.9163


■ 52.5287, 34.7375,  
80.2812


■ 83.9389, 94.6745,  
90.1948


■ 49.8517, 29.8544,  
79.4798


■ 84.2692, 94.8448,  
90.2102


 47.7944, 26.2080,  
78.8844


 84.6013, 95.0160,  
90.2258


 46.2992, 23.6829,  
78.4758

 84.9354, 95.1883,  
90.2414


 45.2974, 22.1419,  
78.2312

 85.2714, 95.3614,  
90.2571

 44.6735, 21.3540,  
78.1120

 85.6092, 95.5356,  
90.2729

 44.6638, 21.3424,  
78.1103

 85.9490, 95.7108,  
90.2888

# Harmonies

## Analogous

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



59.7627, 57.7670, 97.8399



64.7575, 57.7670, 84.0810



67.1286, 57.7670, 66.2175

# Triad

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



64.7575, 57.7670, 84.0810



56.0528, 57.7670, 35.5461



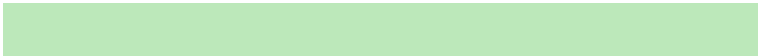
45.1011, 57.7670, 77.4088

# Complementary

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



64.7575, 57.7670, 84.0810



58.4607, 71.9513, 57.2641

# 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.



44.2647, 57.7670, 59.6922



64.7575, 57.7670, 84.0810



50.3194, 57.7670, 37.4579

# Square

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



64.7575, 57.7670, 84.0810



61.8748, 57.7670, 39.8149



46.1077, 57.7670, 45.6106



48.4808, 57.7670, 93.5252



# Rectangle

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



64.7575, 57.7670, 84.0810



66.7877, 57.7670, 55.1280



46.1077, 57.7670, 45.6106



44.5240, 57.7670, 71.3667

# Sweetspot

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



64.7593, 57.7695, 84.0822



90.1175, 90.4977, 107.3258



52.8651, 52.3629, 83.6656



19.1789, 19.1587, 22.9371



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.



64.7593, 57.7695, 84.0822



77.5652, 66.4735, 103.3503



62.6350, 56.9944, 69.5271



14.9299, 14.5816, 18.1720



24.8241, 11.8632, 43.3646



1.8537, 0.8866, 3.2054



# Inverse Universe

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



59.9167, 55.9071, 55.2129



70.5036, 63.7611, 61.0911



60.3342, 72.6441, 69.6833



14.4023, 14.3781, 15.0527



18.5176, 9.5412, 1.0885



1.3774, 0.7087, 0.1279



# Previews

## White Background



This preview shows how the XYZ color 64.7575, 57.7670, 84.0810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

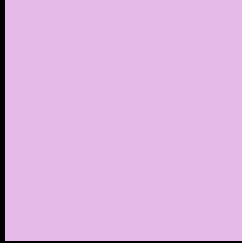
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7575, 57.7670, 84.0810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

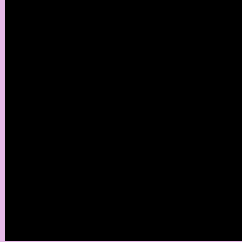
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.7575, 57.7670, 84.0810

## Background



This preview shows how black text looks on a background with the XYZ color 64.7575, 57.7670, 84.0810.



This preview shows how white text looks on a background with the XYZ color 64.7575, 57.7670,



# 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

64.7575, 57.7670, 84.0810

### Protanopia

57.4081, 57.7558, 90.5603

### Deuteranopia

58.9749, 57.7225, 82.8962



## Tritanopia

61.1354, 57.8866, 66.3436

# Trichromacy



## Original Color

64.7575, 57.7670, 84.0810



## Protanomaly

59.7547, 57.6771, 88.1042



## Deuteranomaly

61.0050, 57.7649, 83.5357



## Tritanomaly

62.1419, 57.6324, 72.1389

# Monochromacy



## Original Color

64.7575, 57.7670, 84.0810



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

59.5444, 58.9337, 71.8553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7575, 57.7670, 84.0810 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(230, 186, 232)` looks like.

```
.text, #text, p{  
    color:rgb(230, 186, 232)  
}
```

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(230, 186, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 186, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7575, 57.7670, 84.0810 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(230, 186, 232) }
```



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

```
.border{ border-color:rgb(230, 186, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 186, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 186, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 186, 232);  
box-shadow:4px 4px 4px 4px rgb(230, 186,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7575, 57.7670, 84.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 186, 232) }
```

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

```
.background{ background-color: rgb(230,  
186, 232) }
```

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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