

# Converting Colors

XYZ(64.3882, 53.6686, 86.4011)

Have a look what the booklet for  
XYZ(64.3882, 53.6686, 86.4011)  
contains.

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# Color

**XYZ(64.3448, 53.6054,  
86.3124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBADEC
RGB	235, 173, 236
RGB Percent	92%, 68%, 93%
CMY	0.0784, 0.3215, 0.0745
CMYK	0.00, 0.27, 0.00, 0.07
HSL	299°, 62%, 80%
HSV	299°, 27%, 93%
XYZ	64.3448, 53.6054, 86.3124
YIQ	198.7200, 16.7290, 32.7370

# Conversions

## Conversions Part 2

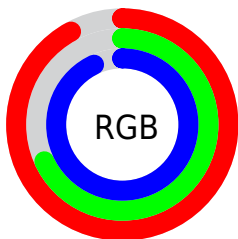
Format	Color
R <sub>Y</sub> B	235, 173, 236
Decimal	15445484
CIE Lab	78.23, 32.86, -22.63
CIE LCh	78, 39.901, 325.447
Yxy	53.6054, 0.3150, 0.2624
Android (android.graphics.Color)	4293635564 (0xFFEBADEC)
YUV	198.7200, 18.3790, 31.8176
Hunter-Lab	73.2157, 28.7452, -18.6447

# Details

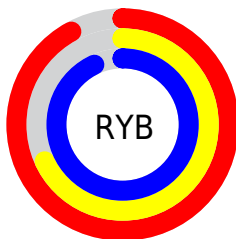
The XYZ color **64.3448, 53.6054, 86.3124** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.9957, 72.0080, 50.5382**, and the grayscale version is **54.0006, 56.8129, 61.8692**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **33.3148, 26.1932, 46.4799** is the 20% darker color. If you saturate the color by 10%, you get **60.0900, 45.2782, 84.9301**, and if you desaturate by 10%, it is **69.4024, 63.5359, 87.9634**.

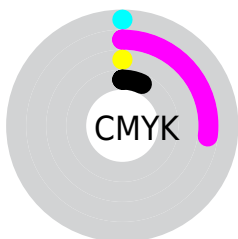
# Distribution



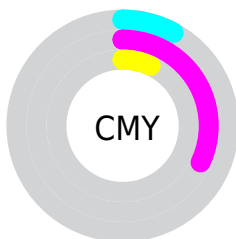
- Red (92%)
- Green (68%)
- Blue (93%)



- Red (92%)
- Yellow (68%)
- Blue (93%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (32%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3448, 53.6054, 86.3124 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 64.3448, 53.6054, 86.3124 by changing the saturation by 10% instead.



64.3448, 53.6054,  
86.3124

64.3448, 53.6054,  
86.3124

430.0162,  
400.6035, 536.2182

47.1927, 38.2863,  
64.3700

110.1783, 95.4946,  
144.0958

33.3966, 26.2050,  
46.5023

139.5905,  
122.8335, 180.7737

22.5911, 16.9770,  
32.2908

173.8200,  
154.9478, 223.2007

14.4109, 10.2181,  
21.3171

213.2323,  
192.2218, 271.7951

8.4906, 5.5438,  
13.1625

258.1927,  
235.0400, 326.9755

4.4649, 2.5697,  
7.4085

309.0666,

1.9684, 0.9115,

283.7867, 389.1604

3.6366

366.2193,  
338.8464, 458.7685

■ 0.6161, 0.0000,  
1.4282

■ 0.0000, 0.0000,  
0.1635

■ 64.3448, 53.6054,  
86.3124

■ 64.3448, 53.6054,  
86.3124

■ 60.0900, 45.2782,  
84.9301

■ 69.4024, 63.5359,  
87.9634

■ 56.5911, 38.4633,  
83.7991


■ 75.2969, 75.1406,  
89.8927


■ 53.8037, 33.0711,  
82.9052


■ 82.0662, 88.4948,  
92.1135


■ 51.6770, 28.9998,  
82.2315


■ 85.6586, 95.4946,  
93.2753


 50.1534, 26.1344,  
81.7587


 85.7834, 95.5590,  
93.2811


 49.1654, 24.3398,  
81.4644


 85.9085, 95.6235,  
93.2870

 48.6275, 23.4451,  
81.3201

 86.0338, 95.6881,  
93.2928

 48.5025, 23.2550,  
81.2899

 86.1594, 95.7528,  
93.2987

 86.2852, 95.8177,  
93.3046

# Harmonies

## Analogous

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



57.6784, 53.6054, 106.4466



64.3448, 53.6054, 86.3124



67.4322, 53.6054, 61.8477

# Triad

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



64.3448, 53.6054, 86.3124



52.1516, 53.6054, 25.1377



38.5587, 53.6054, 78.8633

# Complementary

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



64.3448, 53.6054, 86.3124



54.9957, 72.0080, 50.5382

# 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.



37.4000, 53.6054, 55.0197



64.3448, 53.6054, 86.3124



44.7669, 53.6054, 27.5106

# Square

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



64.3448, 53.6054, 86.3124



59.9500, 53.6054, 29.6303



39.5570, 53.6054, 37.2166



42.8997, 53.6054, 101.4321



# Rectangle

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



64.3448, 53.6054, 86.3124



66.8372, 53.6054, 47.6461



39.5570, 53.6054, 37.2166



37.8043, 53.6054, 70.5867

# Sweetspot

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



64.3465, 53.6077, 86.3135



88.7650, 87.6065, 106.8391



47.5219, 45.2344, 85.5841



18.7625, 18.2848, 22.7904



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.



64.3465, 53.6077, 86.3135



73.8357, 58.2761, 101.9646



60.6233, 52.1567, 64.9803



15.6898, 15.3009, 19.0487



26.7464, 12.8242, 44.8086



2.1078, 1.0109, 3.5189



# Inverse Universe

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



57.1774, 50.7784, 46.8344



63.9683, 54.3839, 47.5261



58.0641, 73.2098, 67.8541



15.0752, 15.0579, 15.6812



19.0835, 9.8361, 0.9752

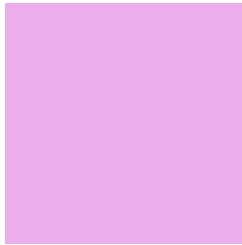


1.5019, 0.7737, 0.0946



# Previews

## White Background



This preview shows how the XYZ color 64.3448, 53.6054, 86.3124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

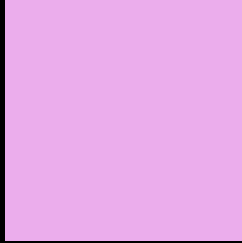
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3448, 53.6054, 86.3124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

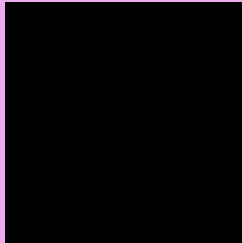
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.3448, 53.6054, 86.3124**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.3448, 53.6054, 86.3124.



This preview shows how white text looks on a background with the XYZ color 64.3448, 53.6054,



# 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

64.3448, 53.6054, 86.3124

### Protanopia

54.5389, 54.1225, 97.1947

### Deuteranopia

54.8979, 53.6158, 84.5463



## Tritanopia

58.6873, 53.6459, 58.8913

# Trichromacy



## Original Color

64.3448, 53.6054, 86.3124



## Protanomaly

57.2313, 53.3717, 92.8733



## Deuteranomaly

57.7972, 53.2174, 85.0676



## Tritanomaly

60.5082, 53.4829, 68.1069

# Monochromacy



## Original Color

64.3448, 53.6054, 86.3124



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

57.4485, 55.5774, 69.9870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3448, 53.6054, 86.3124 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(235, 173, 236)` looks like.

```
.text, #text, p{  
    color:rgb(235, 173, 236)  
}
```

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(235, 173, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 173, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3448, 53.6054, 86.3124 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(235, 173, 236) }
```



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

```
.border{ border-color:rgb(235, 173, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 173, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 173, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 173, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 173,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3448, 53.6054, 86.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 173, 236) }
```

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

```
.background{ background-color: rgb(235,  
173, 236) }
```

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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