

# Converting Colors

XYZ(64.9421, 54.4007, 86.3211)

Have a look what the booklet for  
XYZ(64.9421, 54.4007, 86.3211)  
contains.

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# Color

**XYZ(65.0624, 54.5489,  
86.4567)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ECAFEC
RGB	236, 175, 236
RGB Percent	93%, 69%, 93%
CMY	0.0745, 0.3137, 0.0745
CMYK	0.00, 0.26, 0.00, 0.07
HSL	300°, 62%, 81%
HSV	300°, 26%, 93%
XYZ	65.0624, 54.5489, 86.4567
YIQ	200.1930, 16.7750, 31.9030

# Conversions

## Conversions Part 2

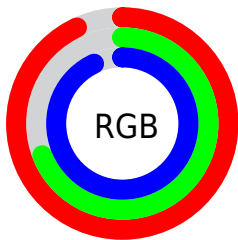
Format	Color
R <sub>Y</sub> B	236, 175, 236
Decimal	15511532
CIE Lab	78.78, 32.12, -21.79
CIE LCh	79, 38.811, 325.852
Yxy	54.5489, 0.3157, 0.2647
Android (android.graphics.Color)	4293701612 (0xFFECAFE <sub>C</sub> )
YUV	200.1930, 17.6529, 31.4027
Hunter-Lab	73.8572, 27.9943, -17.7044

# Details

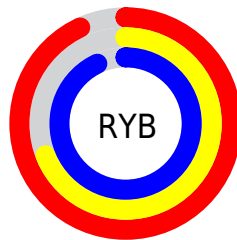
The XYZ color **65.0624, 54.5489, 86.4567** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.4147, 72.2019, 51.5761**, and the grayscale version is **54.9074, 57.7669, 62.9081**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **33.7882, 26.7981, 46.5717** is the 20% darker color. If you saturate the color by 10%, you get **60.8650, 46.1531, 85.0580**, and if you desaturate by 10%, it is **70.0659, 64.5548, 88.1253**.

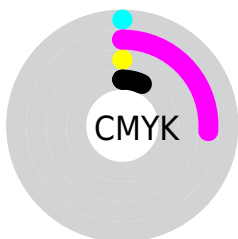
# Distribution



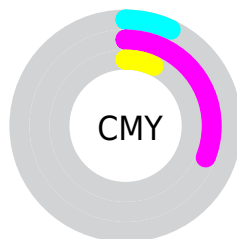
- Red (93%)
- Green (69%)
- Blue (93%)



- Red (93%)
- Yellow (69%)
- Blue (93%)



- Cyan (0%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)



- Cyan (7%)
- Magenta (31%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0624, 54.5489, 86.4567 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 65.0624, 54.5489, 86.4567 by changing the saturation by 10% instead.



65.0624, 54.5489,  
86.4567

65.0624, 54.5489,  
86.4567

432.5578,  
404.1997, 536.7057

47.7766, 39.0407,  
64.4886

111.2048, 96.8797,  
144.2988

33.8605, 26.7914,  
46.5978

140.7920,  
124.4711, 181.0099

22.9488, 17.4166,  
32.3658

175.2105,  
156.8590, 223.4725

14.6762, 10.5320,  
21.3739

214.8254,  
194.4277, 272.1050

8.6773, 5.7531,  
13.2037

260.0023,  
237.5618, 327.3261

4.5867, 2.6955,  
7.4366

311.1064,

2.0391, 0.9749,

286.6455, 389.5542

3.6540

368.5032,  
342.0634, 459.2079

■ 0.6558, 0.0000,  
1.4375

■ 0.0000, 0.0000,  
0.1707

■ 65.0624, 54.5489,  
86.4567

■ 65.0624, 54.5489,  
86.4567

■ 60.8650, 46.1531,  
85.0580

■ 70.0659, 64.5548,  
88.1253

■ 57.4268, 39.2768,  
83.9117

■ 75.9091, 76.2412,  
90.0733

■ 54.7039, 33.8312,  
83.0039

■ 82.6299, 89.6828,  
92.3138

■ 52.6461, 29.7155,  
82.3177

■ 85.4933, 95.4094,  
93.2684

51.1963, 26.8159,  
81.8342

85.4933, 95.4094,  
93.2687

50.2880, 24.9995,  
81.5313

85.4934, 95.4095,  
93.2689

49.8393, 24.1021,  
81.3815

85.4934, 95.4095,  
93.2691

49.7328, 23.8892,  
81.3459

85.4935, 95.4095,  
93.2693

85.4935, 95.4095,  
93.2695

# Harmonies

## Analogous

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



58.5608, 54.5489, 106.1970



65.0624, 54.5489, 86.4567



68.0252, 54.5489, 62.5085

# Triad

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



65.0624, 54.5489, 86.4567



52.9233, 54.5489, 26.3956



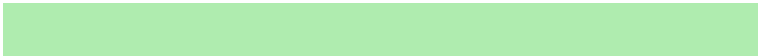
39.6540, 54.5489, 79.8241

# Complementary

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



65.0624, 54.5489, 86.4567



55.4147, 72.2019, 51.5761

# 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.



38.4618, 54.5489, 56.3857



65.0624, 54.5489, 86.4567



45.6672, 54.5489, 28.8710

# Square

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



65.0624, 54.5489, 86.4567



60.5917, 54.5489, 30.8050



40.5546, 54.5489, 38.6660



43.9871, 54.5489, 101.7511



# Rectangle

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



65.0624, 54.5489, 86.4567



67.4000, 54.5489, 48.5689



40.5546, 54.5489, 38.6660



38.8922, 54.5489, 71.7198

# Sweetspot

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



65.0641, 54.5513, 86.4579



88.8839, 87.6678, 106.8444



48.1519, 45.8327, 85.6670



18.7928, 18.3004, 22.7917



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.



65.0641, 54.5513, 86.4579



74.8054, 59.5110, 102.1510



61.0040, 52.9272, 65.0775



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8386



2.1526, 1.0340, 3.5209



# Inverse Universe

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



65.0641, 54.5513, 86.4579



74.8054, 59.5110, 102.1510



58.7566, 73.5386, 69.1743



15.7149, 15.3138, 19.0498



27.4132, 13.1680, 44.8386

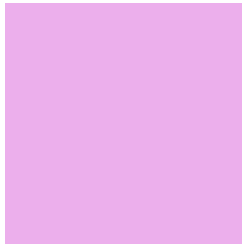


2.1526, 1.0340, 3.5209



# Previews

## White Background



This preview shows how the XYZ color 65.0624, 54.5489, 86.4567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

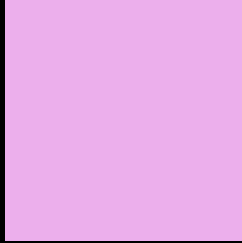
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0624, 54.5489, 86.4567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

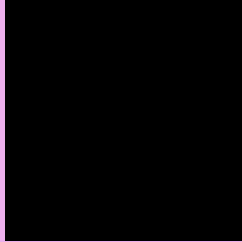
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.0624, 54.5489, 86.4567**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.0624, 54.5489, 86.4567.



This preview shows how white text looks on a background with the XYZ color 65.0624, 54.5489,



# 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

65.0624, 54.5489, 86.4567

### Protanopia

55.2249, 54.8032, 97.2899

### Deuteranopia

56.1037, 54.8806, 84.7268



## Tritanopia

59.7610, 54.4760, 60.1885

# Trichromacy



## Original Color

65.0624, 54.5489, 86.4567



## Protanomaly

57.9754, 54.0670, 92.9683



## Deuteranomaly

59.0642, 54.4873, 85.2460



## Tritanomaly

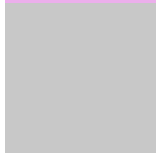
61.4822, 54.2670, 68.8621

# Monochromacy



## Original Color

65.0624, 54.5489, 86.4567



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

58.0816, 56.2118, 70.7395

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0624, 54.5489, 86.4567 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(236, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 175, 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(236, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 175, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0624, 54.5489, 86.4567 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(236, 175, 236) }
```



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

```
.border{ border-color:rgb(236, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 175,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0624, 54.5489, 86.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 175, 236) }
```

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

```
.background{ background-color: rgb(236,  
175, 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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