

# Converting Colors

XYZ(64.3844, 54.4797, 86.3093)

Have a look what the booklet for  
XYZ(64.3844, 54.4797, 86.3093)  
contains.

<b>XYZ(64.2699, 54.4304, 86.4756)</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(64.2699, 54.4304,  
86.4756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B0EC
RGB	233, 176, 236
RGB Percent	91%, 69%, 93%
CMY	0.0863, 0.3098, 0.0745
CMYK	0.01, 0.25, 0.00, 0.07
HSL	297°, 61%, 81%
HSV	297°, 25%, 93%
XYZ	64.2699, 54.4304, 86.4756
YIQ	199.8830, 14.7120, 30.7440

# Conversions

## Conversions Part 2

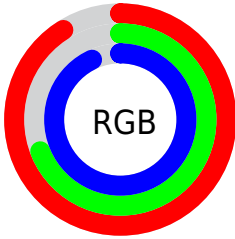
Format	Color
R <sub>Y</sub> B	233, 176, 236
Decimal	15315180
CIE Lab	78.71, 30.62, -21.92
CIE LCh	79, 37.655, 324.404
Yxy	54.4304, 0.3132, 0.2653
Android (android.graphics.Color)	4293505260 (0xFFE9B0EC)
YUV	199.8830, 17.8057, 29.0436
Hunter-Lab	73.7770, 26.3884, -17.8512

# Details

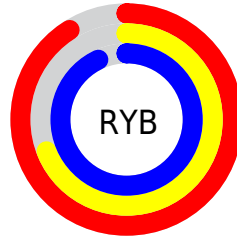
The XYZ color **64.2699, 54.4304, 86.4756** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.4242, 72.7106, 52.1376**, and the grayscale version is **54.7167, 57.5663, 62.6897**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **33.4526, 26.8083, 46.5914** is the 20% darker color. If you saturate the color by 10%, you get **59.6554, 45.7703, 85.0481**, and if you desaturate by 10%, it is **69.6947, 64.7053, 88.1737**.

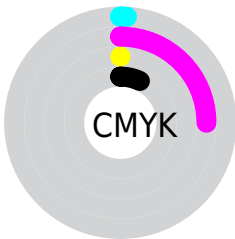
# Distribution



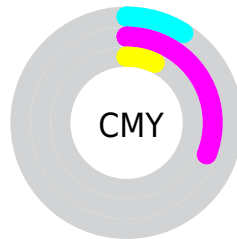
- Red (91%)
- Green (69%)
- Blue (93%)



- Red (91%)
- Yellow (69%)
- Blue (93%)



- Cyan (1%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)




- Cyan (9%)
- Magenta (31%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2699, 54.4304, 86.4756 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 64.2699, 54.4304, 86.4756 by changing the saturation by 10% instead.





 64.2699, 54.4304,  
86.4756

 64.2699, 54.4304,  
86.4756


429.7504,  
403.7491, 536.7695

 47.1318, 38.9459,  
64.5042


 110.0711, 96.7059,  
144.3254

 33.3483, 26.7176,  
46.6104


139.4649,  
124.2657, 181.0409

 22.5539, 17.3613,  
32.3756


173.6747,  
156.6193, 223.5081

 14.3833, 10.4924,  
21.3814

213.0658,  
194.1512, 272.1456

 8.4712, 5.7266,  
13.2091

258.0036,  
237.2457, 327.3720

 4.4523, 2.6796,  
7.4403

308.8534,

 1.9610, 0.9668,

286.2873, 389.6057

3.6563

365.9805,  
341.6603, 459.2654

■ 0.6119, 0.0000,  
1.4388

■ 0.0000, 0.0000,  
0.1717

■ 64.2699, 54.4304,  
86.4756

■ 64.2699, 54.4304,  
86.4756

■ 59.6554, 45.7703,  
85.0481

■ 69.6947, 64.7053,  
88.1737

■ 55.8045, 38.6347,  
83.8737

■ 75.9634, 76.6651,  
90.1518

■ 52.6736, 32.9352,  
82.9386

■ 83.1138, 90.3844,  
92.4230

■ 50.2125, 28.5715,  
82.2260

■ 86.0668, 95.7051,  
93.2944

48.3645, 25.4303,  
81.7171

86.4636, 95.9097,  
93.3130

47.0638, 23.3797,  
81.3899

86.8631, 96.1156,  
93.3317

46.2290, 22.2572,  
81.2172

87.2652, 96.3229,  
93.3505

45.9437, 21.9358,  
81.1702

87.6699, 96.5315,  
93.3694

88.0771, 96.7415,  
93.3885

# Harmonies

## Analogous

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



57.8775, 54.4304, 104.9899



64.2699, 54.4304, 86.4756



67.3296, 54.4304, 63.3539

# Triad

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



64.2699, 54.4304, 86.4756



53.1430, 54.4304, 27.1100



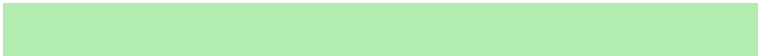
39.7623, 54.4304, 77.8699

# Complementary

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



64.2699, 54.4304, 86.4756



56.4242, 72.7106, 52.1376

# 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.



38.7550, 54.4304, 55.3568



64.2699, 54.4304, 86.4756



46.0423, 54.4304, 29.2213

# Square

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



64.2699, 54.4304, 86.4756



60.5224, 54.4304, 31.7881



40.9452, 54.4304, 38.4613



43.8413, 54.4304, 99.2448



# Rectangle

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



64.2699, 54.4304, 86.4756



66.8756, 54.4304, 49.6405



40.9452, 54.4304, 38.4613



39.0708, 54.4304, 70.0604

# Sweetspot

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



64.2716, 54.4328, 86.4768



88.5097, 87.4749, 106.8271



49.1672, 47.5291, 85.9403



18.6976, 18.2514, 22.7873



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.



64.2716, 54.4328, 86.4768



73.3665, 58.7692, 102.0845



61.6277, 53.4893, 67.3998



15.6361, 15.2732, 19.0462



25.3585, 12.1087, 44.7436



2.0142, 0.9626, 3.5145



# Inverse Universe

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



58.2559, 52.1406, 49.6440



64.9838, 55.5824, 50.4312



58.6813, 73.5342, 67.6027



15.0960, 15.0662, 15.7908



19.1174, 9.8496, 1.1535



1.5119, 0.7777, 0.1473



# Previews

## White Background



This preview shows how the XYZ color 64.2699, 54.4304, 86.4756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

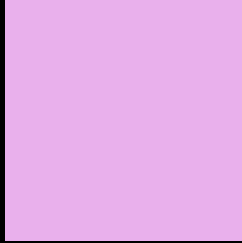
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2699, 54.4304, 86.4756 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 64.2699, 54.4304, 86.4756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2699, 54.4304, 86.4756.



This preview shows how white text looks on a background with the XYZ color 64.2699, 54.4304,



# 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

64.2699, 54.4304, 86.4756

### Protanopia

55.0693, 54.7410, 96.4705

### Deuteranopia

55.8445, 54.7469, 84.7147



## Tritanopia

59.0064, 54.3922, 60.2121

# Trichromacy



## Original Color

64.2699, 54.4304, 86.4756



## Protanomaly

57.9189, 54.3517, 93.0262



## Deuteranomaly

58.7047, 54.6136, 85.2893



## Tritanomaly

60.7123, 54.1687, 68.8837

# Monochromacy



## Original Color

64.2699, 54.4304, 86.4756



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

57.7924, 56.0627, 70.7260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2699, 54.4304, 86.4756 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(233, 176, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 176, 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(233, 176, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 176, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2699, 54.4304, 86.4756 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(233, 176, 236) }
```



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

```
.border{ border-color:rgb(233, 176, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 176, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 176, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 176, 236); box-shadow:4px 4px 4px 4px rgb(233, 176, 236) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2699, 54.4304, 86.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 176, 236) }
```

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

```
.background{ background-color: rgb(233,  
176, 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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