

# Converting Colors

XYZ(57.6860, 44.6514, 66.6284)

Have a look what the booklet for  
XYZ(57.6860, 44.6514, 66.6284)  
contains.

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# Color

**XYZ(57.4643, 44.4704,  
66.5277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED96D2
RGB	237, 150, 210
RGB Percent	93%, 59%, 82%
CMY	0.0706, 0.4117, 0.1765
CMYK	0.00, 0.37, 0.11, 0.07
HSL	319°, 71%, 76%
HSV	319°, 37%, 93%
XYZ	57.4643, 44.4704, 66.5277
YIQ	182.8530, 32.5920, 37.1040

# Conversions

## Conversions Part 2

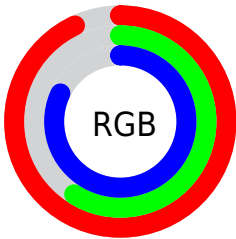
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 150, 210
Decimal	15570642
CIE Lab	72.54, 41.14, -17.05
CIE LCh	73, 44.537, 337.487
Yxy	44.4704, 0.3411, 0.2640
Android (android.graphics.Color)	4293760722 (0xFFED96D2)
YUV	182.8530, 13.3835, 47.4869
Hunter-Lab	66.6861, 37.1150, -12.4688

# Details

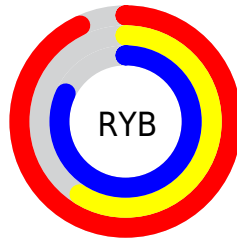
The XYZ color **57.4643, 44.4704, 66.5277** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.7997, 70.2281, 52.4761**, and the grayscale version is **44.8470, 47.1825, 51.3817**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **29.0135, 20.6192, 33.4611** is the 20% darker color. If you saturate the color by 10%, you get **53.1627, 37.2996, 60.6761**, and if you desaturate by 10%, it is **62.5755, 53.1916, 72.8580**.

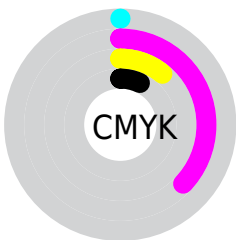
# Distribution



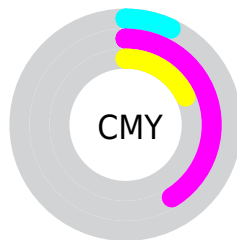
- Red (93%)
- Green (59%)
- Blue (82%)



- Red (93%)
- Yellow (59%)
- Blue (82%)



- Cyan (0%)
- Magenta (37%)
- Yellow (11%)
- Black (7%)




- Cyan (7%)
- Magenta (41%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4643, 44.4704, 66.5277 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 57.4643, 44.4704, 66.5277 by changing the saturation by 10% instead.





 57.4643, 44.4704,  
66.5277


 57.4643, 44.4704,  
66.5277


405.1729,  
364.6244, 466.7174

 41.6197, 31.0405,  
48.2417

 100.2698, 81.9251,  
115.8776

 28.9934, 20.6297,  
33.6570


 127.9614,  
106.7187, 147.7786

 19.2201, 12.8536,  
22.3550


160.3328,  
136.0690, 185.0550

 11.9344, 7.3278,  
13.9172

197.7492,  
170.3603, 228.1254

 6.7709, 3.6679,  
7.9250

240.5761,  
209.9772, 277.4083

 3.3643, 1.4896,  
3.9599

289.1788,

 1.3492, 0.2814,

255.3039, 333.3222

1.6034

343.9226,  
306.7248, 396.2858

■ 0.2196, 0.0000,  
0.2932

■ 0.0000, 0.0000,  
0.0000

■ 57.4643, 44.4704,  
66.5277

■ 57.4643, 44.4704,  
66.5277

■ 53.1627, 37.2996,  
60.6761

■ 62.5755, 53.1916,  
72.8580

■ 49.6196, 31.5802,  
55.2819

■ 68.5354, 63.5424,  
79.6812

■ 46.7846, 27.2110,  
50.3260

■ 75.3850, 75.6037,  
87.0142

■ 44.5986, 24.0755,  
45.7859

■ 83.1619, 89.4494,  
94.8721

■ 42.9931, 22.0370,  
41.6358

■ 87.4398, 96.2265,  
101.7821

■ 41.8809, 20.9224,  
37.8435

■ 88.5964, 96.6891,  
107.8725

■ 41.5762, 20.6650,  
36.6569

■ 88.7354, 96.7447,  
108.6045

# Harmonies

## Analogous

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



51.9280, 44.4704, 90.4337



57.4643, 44.4704, 66.5277



58.7022, 44.4704, 43.1060

# Triad

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



57.4643, 44.4704, 66.5277



40.3689, 44.4704, 17.3848



31.5797, 44.4704, 79.0620

# Complementary

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



57.4643, 44.4704, 66.5277



50.7997, 70.2281, 52.4761

# 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.



29.2284, 44.4704, 54.1552



57.4643, 44.4704, 66.5277



33.8867, 44.4704, 21.9770

# Square

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



57.4643, 44.4704, 66.5277



48.1907, 44.4704, 18.8745



30.0186, 44.4704, 33.9390



36.8512, 44.4704, 99.0693



# Rectangle

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



57.4643, 44.4704, 66.5277



56.8009, 44.4704, 31.3764



30.0186, 44.4704, 33.9390



30.4527, 44.4704, 70.7326

# Sweetspot

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



57.4657, 44.4724, 66.5286



85.3752, 82.8427, 98.9163



44.1216, 37.1713, 84.9709



18.0383, 17.3170, 20.9199



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.



57.4657, 44.4724, 66.5286



63.9742, 46.0216, 73.3445



52.8452, 42.6243, 42.1978



15.5042, 15.2295, 17.9406



22.7604, 11.3069, 20.3375



1.8301, 0.9050, 1.8227



# Inverse Universe

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



57.4657, 44.4724, 66.5286



63.9742, 46.0216, 73.3445



55.7288, 72.1998, 78.4329



15.5042, 15.2295, 17.9406



22.7604, 11.3069, 20.3375



1.8301, 0.9050, 1.8227



# Previews

## White Background



This preview shows how the XYZ color 57.4643, 44.4704, 66.5277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

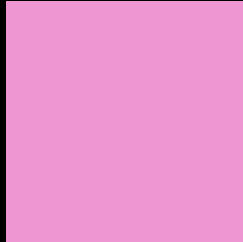
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4643, 44.4704, 66.5277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

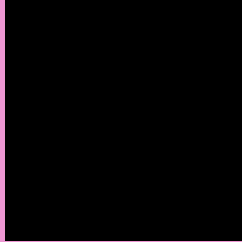
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.4643, 44.4704, 66.5277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4643, 44.4704, 66.5277.



This preview shows how white text looks on a background with the XYZ color 57.4643, 44.4704,



# 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

57.4643, 44.4704, 66.5277

### Protanopia

45.0460, 44.6514, 79.6432

### Deuteranopia

45.8051, 44.7956, 64.6248



## Tritanopia

52.7613, 44.5118, 43.8410

# Trichromacy



## Original Color

57.4643, 44.4704, 66.5277



## Protanomaly

48.3557, 43.9343, 74.3382



## Deuteranomaly

49.3462, 44.1118, 64.9451



## Tritanomaly

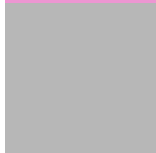
54.4100, 44.4379, 51.6086

# Monochromacy



## Original Color

57.4643, 44.4704, 66.5277



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.8172, 45.6726, 56.6948

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4643, 44.4704, 66.5277 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(237, 150, 210)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 210)  
}
```

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(237, 150, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4643, 44.4704, 66.5277 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(237, 150, 210) }
```



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

```
.border{ border-color:rgb(237, 150, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 150, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 210);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4643, 44.4704, 66.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 210) }
```

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

```
.background{ background-color: rgb(237,  
150, 210) }
```

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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