

# Converting Colors

XYZ(55.9621, 37.4545, 81.9322)

Have a look what the booklet for  
XYZ(55.9621, 37.4545, 81.9322)  
contains.

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# Color

**XYZ(56.0718, 37.5217,  
82.1290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB7AEA
RGB	235, 122, 234
RGB Percent	92%, 48%, 92%
CMY	0.0784, 0.5215, 0.0824
CMYK	0.00, 0.48, 0.00, 0.08
HSL	301°, 74%, 70%
HSV	301°, 48%, 92%
XYZ	56.0718, 37.5217, 82.1290
YIQ	168.5550, 31.3960, 58.7880

# Conversions

## Conversions Part 2

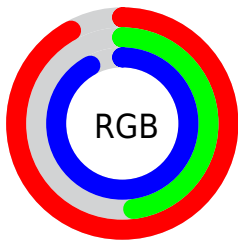
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 122, 234
Decimal	15432426
CIE Lab	67.67, 58.71, -37.80
CIE LCh	68, 69.832, 327.223
Yxy	37.5217, 0.3191, 0.2135
Android (android.graphics.Color)	4293622506 (0xFFEB7AEA)
YUV	168.5550, 32.2644, 58.2723
Hunter-Lab	61.2550, 56.1998, -36.6160

# Details

The XYZ color **56.0718, 37.5217, 82.1290** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.3112, 64.9858, 29.1072**, and the grayscale version is **37.3288, 39.2728, 42.7681**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **28.1745, 16.5758, 43.8340** is the 20% darker color. If you saturate the color by 10%, you get **53.4981, 32.4212, 81.1240**, and if you desaturate by 10%, it is **59.3457, 44.0206, 83.3683**.

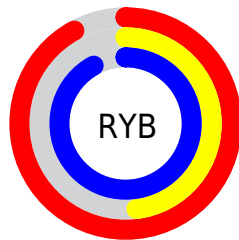
# Distribution



Red (92%)

Green (48%)

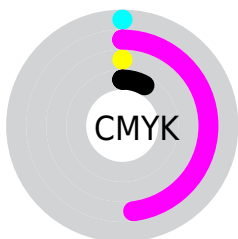
Blue (92%)



Red (92%)

Yellow (48%)

Blue (92%)

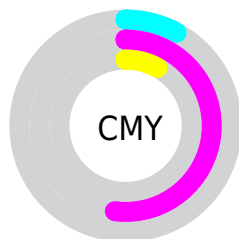


Cyan (0%)

Magenta (48%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (52%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0718, 37.5217, 82.1290 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 56.0718, 37.5217, 82.1290 by changing the saturation by 10% instead.




 56.0718, 37.5217,  
82.1290

 56.0718, 37.5217,  
82.1290


400.0327,  
335.5637, 521.9739


 40.4977, 25.6117,  
60.9354

 98.2488, 71.3744,  
138.1932

 28.1128, 16.5334,  
43.7428


 125.5823, 94.0859,  
173.9009

 18.5516, 9.9024,  
30.1327


 157.5665,  
121.1667, 215.2837

 11.4488, 5.3343,  
19.6864

194.5665,  
153.0012, 262.7603

 6.4391, 2.4447,  
11.9855

236.9478,  
189.9737, 316.7490

 3.1570, 0.8487,  
6.6114

285.0756,

 1.2373, 0.0000,

232.4687, 377.6685

3.1455

339.3155,  
280.8706, 445.9373

■ 0.1355, 0.0000,  
1.1694

■ 0.0000, 0.0000,  
0.0000

■ 56.0718, 37.5217,  
82.1290

■ 56.0718, 37.5217,  
82.1290

■ 53.4981, 32.4212,  
81.1240

■ 59.3457, 44.0206,  
83.3683

■ 51.5696, 28.6119,  
80.3338


■ 63.3618, 52.0050,  
84.8549


■ 50.2293, 25.9792,  
79.7399


■ 68.1637, 61.5608,  
86.6035


■ 49.4089, 24.3860,  
79.3194


■ 73.7903, 72.7658,  
88.6272


 49.0126, 23.6411,  
79.0406


 80.2778, 85.6928,  
90.9381

 48.9581, 23.5411,  
78.9943

 85.0531, 95.1951,  
92.6784

 85.0832, 95.2071,  
92.8371

 85.1134, 95.2192,  
92.9961

 85.1436, 95.2313,  
93.1552

# Harmonies

## Analogous

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



46.0048, 37.5217, 119.5860



56.0718, 37.5217, 82.1290



60.6164, 37.5217, 43.7972

# Triad

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



56.0718, 37.5217, 82.1290



36.6764, 37.5217, 5.6285



20.2309, 37.5217, 74.4512

# Complementary

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



56.0718, 37.5217, 82.1290



41.3112, 64.9858, 29.1072

# 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.



18.7145, 37.5217, 38.0472



56.0718, 37.5217, 82.1290



27.0007, 37.5217, 7.5472

# Square

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



56.0718, 37.5217, 82.1290



48.0957, 37.5217, 8.5185



20.9265, 37.5217, 16.4166



25.5822, 37.5217, 113.8001



# Rectangle

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



56.0718, 37.5217, 82.1290



59.3371, 37.5217, 25.6846



20.9265, 37.5217, 16.4166



19.3093, 37.5217, 61.0612

# Sweetspot

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



56.0731, 37.5234, 82.1298



84.6490, 79.2794, 105.1820



29.9826, 24.0566, 81.6617



17.8139, 16.3629, 22.4035



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.



56.0731, 37.5234, 82.1298



64.3479, 38.9321, 97.6288



49.3083, 34.8174, 46.5066



15.7088, 15.3114, 19.0176



27.2497, 13.1026, 43.9775



2.1416, 1.0296, 3.4631



# Inverse Universe

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



56.0731, 37.5234, 82.1298



64.3479, 38.9321, 97.6288



45.8222, 66.7902, 52.8618



15.7088, 15.3114, 19.0176



27.2497, 13.1026, 43.9775

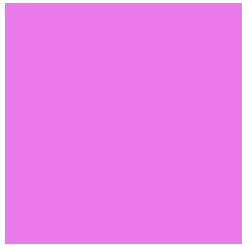


2.1416, 1.0296, 3.4631



# Previews

## White Background



This preview shows how the XYZ color 56.0718, 37.5217, 82.1290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

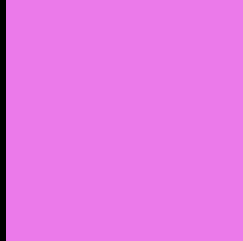
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.0718, 37.5217, 82.1290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

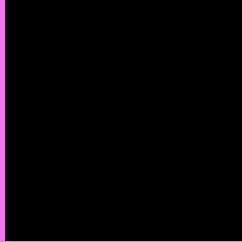
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.0718, 37.5217, 82.1290

## Background



This preview shows how black text looks on a background with the XYZ color 56.0718, 37.5217, 82.1290.



This preview shows how white text looks on a background with the XYZ color 56.0718, 37.5217,



# 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

56.0718, 37.5217, 82.1290

### Protanopia

40.3304, 37.8860, 99.7948

### Deuteranopia

38.8164, 37.8514, 77.9333



## Tritanopia

46.2437, 37.3243, 34.4728

# Trichromacy



## Original Color

56.0718, 37.5217, 82.1290



## Protanomaly

43.5844, 36.0179, 92.6507



## Deuteranomaly

43.2329, 36.3580, 79.6021



## Tritanomaly

49.2817, 37.0856, 48.8168

# Monochromacy



## Original Color

56.0718, 37.5217, 82.1290



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

42.8462, 37.6442, 55.4599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0718, 37.5217, 82.1290 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, 122, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 122, 234)  
}
```

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, 122, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 122, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0718, 37.5217, 82.1290 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, 122, 234) }
```



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

```
.border{ border-color:rgb(235, 122, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 122, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 122, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 122, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 122,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0718, 37.5217, 82.1290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 122, 234) }
```

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

```
.background{ background-color: rgb(235,  
122, 234) }
```

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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