

# Converting Colors

XYZ(56.3490, 37.3992, 85.9102)

Have a look what the booklet for  
XYZ(56.3490, 37.3992, 85.9102)  
contains.

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# Color

**XYZ(56.3490, 37.3992,  
85.9102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA79EF
RGB	234, 121, 239
RGB Percent	92%, 47%, 94%
CMY	0.0823, 0.5255, 0.0627
CMYK	0.02, 0.49, 0.00, 0.06
HSL	297°, 79%, 71%
HSV	297°, 49%, 94%
XYZ	56.3490, 37.3992, 85.9102
YIQ	168.2390, 29.4700, 60.6540

# Conversions

## Conversions Part 2

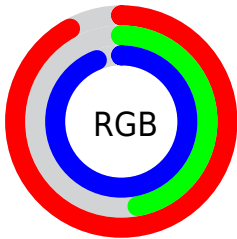
Format	Color
R <sub>Y</sub> B	234, 121, 239
Decimal	15366639
CIE <sub>Lab</sub>	67.58, 59.80, -40.71
CIE <sub>LCh</sub>	68, 72.341, 325.750
Yxy	37.3992, 0.3136, 0.2082
Android (android.graphics.Color)	4293556719 (0xFFEA79EF)
YUV	168.2390, 34.8852, 57.6724
Hunter-Lab	61.1549, 57.4514, -40.4820

# Details

The XYZ color **56.3490, 37.3992, 85.9102** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.9232, 67.5500, 28.8672**, and the grayscale version is **37.1620, 39.0973, 42.5770**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **28.4000, 16.5454, 46.4965** is the 20% darker color. If you saturate the color by 10%, you get **53.4652, 32.1227, 85.0443**, and if you desaturate by 10%, it is **59.9567, 44.1186, 87.0176**.

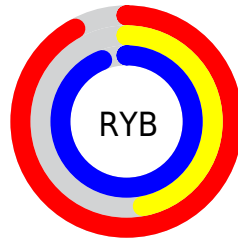
# Distribution



Red (92%)

Green (47%)

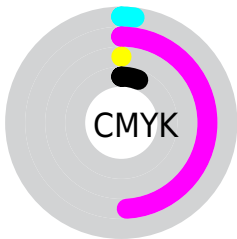
Blue (94%)



Red (92%)

Yellow (47%)

Blue (94%)

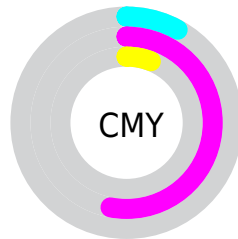


Cyan (2%)

Magenta (49%)

Yellow (0%)

Black (6%)



Cyan (8%)

Magenta (53%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3490, 37.3992, 85.9102 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 56.3490, 37.3992, 85.9102 by changing the saturation by 10% instead.





 56.3490, 37.3992,  
85.9102


 56.3490, 37.3992,  
85.9102


401.0591,  
335.0356, 534.8580


 40.7209, 25.5167,  
64.0392

 98.6515, 71.1863,  
143.5296

 28.2878, 16.4625,  
46.2361

 126.0567, 93.8598,  
180.1151

 18.6843, 9.8520,  
32.0821


 158.1182,  
120.8990, 222.4426

 11.5450, 5.3009,  
21.1589

195.2015,  
152.6884, 270.9306

 6.5047, 2.4249,  
13.0478

237.6718,  
189.6124, 325.9975

 3.1978, 0.8386,  
7.3304

285.8947,

 1.2592, 0.0000,

232.0553, 388.0621

3.5880

340.2353,  
280.4016, 457.5427

■ 0.1524, 0.0000,  
1.4022

■ 0.0000, 0.0000,  
0.1434

■ 56.3490, 37.3992,  
85.9102

■ 56.3490, 37.3992,  
85.9102

■ 53.4652, 32.1227,  
85.0443

■ 59.9567, 44.1186,  
87.0176

■ 51.2471, 28.1760,  
84.3994


■ 64.3329, 52.3732,  
88.3802


■ 49.6345, 25.4372,  
83.9557


■ 69.5233, 62.2534,  
90.0137


■ 48.5538, 23.7596,  
83.6889


■ 75.5688, 73.8410,  
91.9317


 47.8899, 22.9126,  
83.5604


 82.5078, 87.2126,  
94.1470

 47.8532, 22.8694,  
83.5540

 87.3014, 96.2908,  
95.6466

 87.6463, 96.4686,  
95.6627

 87.9932, 96.6474,  
95.6790

 88.3419, 96.8272,  
95.6953

# Harmonies

## Analogous

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



45.6857, 37.3992, 124.7059



56.3490, 37.3992, 85.9102



61.4652, 37.3992, 45.4379

# Triad

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



56.3490, 37.3992, 85.9102



37.1576, 37.3992, 5.0702



19.5368, 37.3992, 73.6000

# Complementary

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



56.3490, 37.3992, 85.9102



42.9232, 67.5500, 28.8672

# 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.



18.1821, 37.3992, 36.3431



56.3490, 37.3992, 85.9102



27.0313, 37.3992, 6.6946

# Square

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



56.3490, 37.3992, 85.9102



49.0128, 37.3992, 8.1534



20.6212, 37.3992, 15.0383



24.8052, 37.3992, 115.3641



# Rectangle

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



56.3490, 37.3992, 85.9102



60.3980, 37.3992, 26.2394



20.6212, 37.3992, 15.0383



18.6628, 37.3992, 59.7405

# Sweetspot

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



56.3503, 37.4009, 85.9110



83.4447, 77.6708, 105.2017



31.0432, 25.4518, 84.9384



17.5515, 16.0329, 22.4196



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.



56.3503, 37.4009, 85.9110



61.9895, 37.3027, 98.5407



51.2875, 35.5680, 50.5625



16.3842, 15.9953, 19.9455



26.4739, 12.6532, 46.1749



2.2228, 1.0631, 3.8423



# Inverse Universe

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



46.2011, 33.5335, 23.7779



49.1109, 32.4178, 18.6859



46.4028, 68.8588, 50.9427



15.7999, 15.7697, 16.5027



19.7141, 10.1581, 1.1450

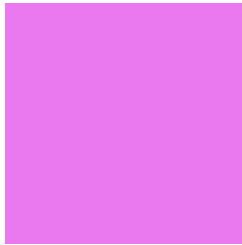


1.6495, 0.8488, 0.1452



# Previews

## White Background



This preview shows how the XYZ color 56.3490, 37.3992, 85.9102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

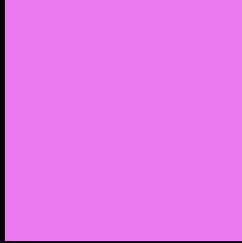
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3490, 37.3992, 85.9102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

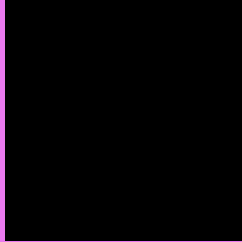
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.3490, 37.3992, 85.9102

## Background



This preview shows how black text looks on a background with the XYZ color 56.3490, 37.3992, 85.9102.



This preview shows how white text looks on a background with the XYZ color 56.3490, 37.3992,



# 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

56.3490, 37.3992, 85.9102

### Protanopia

40.1763, 37.8065, 99.7876

### Deuteranopia

38.6763, 37.7147, 80.8425



## Tritanopia

45.7719, 37.3010, 34.4931

# Trichromacy



## Original Color

56.3490, 37.3992, 85.9102



## Protanomaly

43.6811, 36.0318, 94.2751



## Deuteranomaly

43.1204, 36.2343, 82.5631



## Tritanomaly

48.8554, 36.8418, 49.8836

# Monochromacy



## Original Color

56.3490, 37.3992, 85.9102



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

42.5424, 37.2347, 55.9837

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3490, 37.3992, 85.9102 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(234, 121, 239)` looks like.

```
.text, #text, p{  
    color:rgb(234, 121, 239)  
}
```

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(234, 121, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 121, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3490, 37.3992, 85.9102 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(234, 121, 239) }
```



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

```
.border{ border-color:rgb(234, 121, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 121, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 121, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 121, 239); box-shadow:4px 4px 4px 4px rgb(234, 121, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3490, 37.3992, 85.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 121, 239) }
```

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

```
.background{ background-color: rgb(234,  
121, 239) }
```

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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