

# Converting Colors

XYZ(53.9077, 35.5075, 75.1996)

Have a look what the booklet for  
XYZ(53.9077, 35.5075, 75.1996)  
contains.

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# Color

**XYZ(53.7677, 35.4195,  
75.2369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA74E1
RGB	234, 116, 225
RGB Percent	92%, 45%, 88%
CMY	0.0823, 0.5451, 0.1176
CMYK	0.00, 0.50, 0.04, 0.08
HSL	305°, 74%, 69%
HSV	305°, 50%, 92%
XYZ	53.7677, 35.4195, 75.2369
YIQ	163.7080, 35.3390, 58.9150

# Conversions

## Conversions Part 2

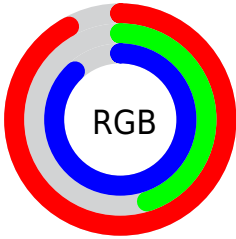
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 116, 225
Decimal	15365345
CIE Lab	66.07, 59.75, -35.31
CIE LCh	66, 69.406, 329.421
Yxy	35.4195, 0.3270, 0.2154
Android (android.graphics.Color)	4293555425 (0xFFEA74E1)
YUV	163.7080, 30.2170, 61.6461
Hunter-Lab	59.5143, 57.1144, -33.2934

# Details

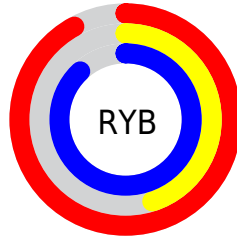
The XYZ color **53.7677, 35.4195, 75.2369** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.3286, 64.0407, 29.6399**, and the grayscale version is **34.9986, 36.8212, 40.0983**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **26.6818, 15.3264, 39.0881** is the 20% darker color. If you saturate the color by 10%, you get **51.1604, 30.5917, 73.1729**, and if you desaturate by 10%, it is **57.0592, 41.6100, 77.5422**.

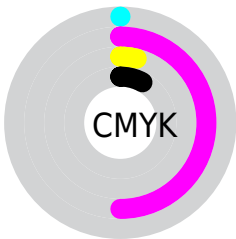
# Distribution



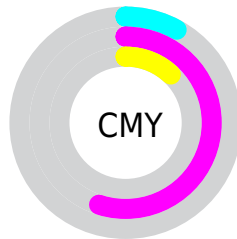
- Red (92%)
- Green (45%)
- Blue (88%)



- Red (92%)
- Yellow (45%)
- Blue (88%)



- Cyan (0%)
- Magenta (50%)
- Yellow (4%)
- Black (8%)




- Cyan (8%)
- Magenta (55%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7677, 35.4195, 75.2369 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 53.7677, 35.4195, 75.2369 by changing the saturation by 10% instead.





 53.7677, 35.4195,  
75.2369


 53.7677, 35.4195,  
75.2369


391.4364,  
326.4161, 498.0086

 38.6459, 23.9862,  
55.3041

 94.8920, 68.1351,  
128.3978

 26.6639, 15.3234,  
39.2450

 121.6252, 90.1863,  
162.4630

 17.4562, 9.0467,  
26.6411


 152.9595,  
116.5454, 202.0761

 10.6576, 4.7716,  
17.0738

189.2604,  
147.5971, 247.6556

 5.9027, 2.1139,  
10.1246

230.8932,  
183.7256, 299.6200

 2.8261, 0.6724,  
5.3750

278.2232,

 1.0625, 0.0000,

225.3153, 358.3880

2.4063

331.6158,  
272.7507, 424.3780

■ 0.0000, 0.0000,  
0.7899

■ 0.0000, 0.0000,  
0.0000

■ 53.7677, 35.4195,  
75.2369

■ 53.7677, 35.4195,  
75.2369

■ 51.1604, 30.5917,  
73.1729

■ 57.0592, 41.6100,  
77.5422

■ 49.1815, 27.0177,  
71.3306


■ 61.0779, 49.2515,  
80.1021


■ 47.7729, 24.5800,  
69.6909


■ 65.8675, 58.4307,  
82.9316

■ 46.8635, 23.1368,  
68.2300


■ 71.4672, 69.2260,  
86.0438


 46.3464, 22.4584,  
66.9607

 77.9135, 81.7105,  
89.4510

 84.7904, 95.0520,  
93.0144

 85.0507, 95.1561,  
94.3851

 85.3136, 95.2612,  
95.7694

 85.5791, 95.3674,  
97.1675

# Harmonies

## Analogous

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



44.3668, 35.4195, 112.1190



53.7677, 35.4195, 75.2369



57.6199, 35.4195, 39.1419

# Triad

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



53.7677, 35.4195, 75.2369



33.8657, 35.4195, 5.1021



19.1875, 35.4195, 73.6972

# Complementary

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



53.7677, 35.4195, 75.2369



40.3286, 64.0407, 29.6399

# 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.



17.4845, 35.4195, 37.9954



53.7677, 35.4195, 75.2369



24.8397, 35.4195, 7.2470

# Square

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



53.7677, 35.4195, 75.2369



44.7848, 35.4195, 7.4367



19.3254, 35.4195, 16.3013



24.5577, 35.4195, 110.9553



# Rectangle

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



53.7677, 35.4195, 75.2369



56.0231, 35.4195, 22.6068



19.3254, 35.4195, 16.3013



18.2225, 35.4195, 60.6795

# Sweetspot

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



53.7689, 35.4211, 75.2376



83.5722, 77.7904, 102.7742



29.3913, 22.7084, 80.6770



17.5827, 16.0621, 21.8276



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.



53.7689, 35.4211, 75.2376



61.9426, 36.7484, 88.7290



47.1660, 32.7799, 40.4671



15.6623, 15.2928, 18.7732



26.0650, 12.6287, 37.7392



2.0615, 0.9976, 3.0414



# Inverse Universe

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



53.7689, 35.4211, 75.2376



61.9426, 36.7484, 88.7290



45.1602, 65.9733, 55.0828



15.6623, 15.2928, 18.7732



26.0650, 12.6287, 37.7392

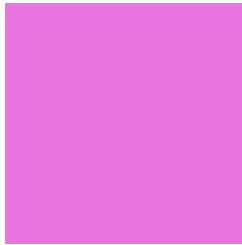


2.0615, 0.9976, 3.0414



# Previews

## White Background



This preview shows how the XYZ color 53.7677, 35.4195, 75.2369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

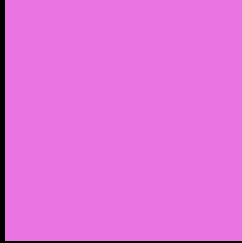
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7677, 35.4195, 75.2369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

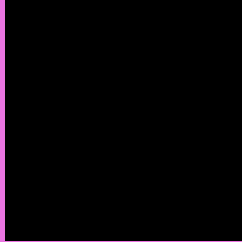
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7677, 35.4195, 75.2369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7677, 35.4195, 75.2369.



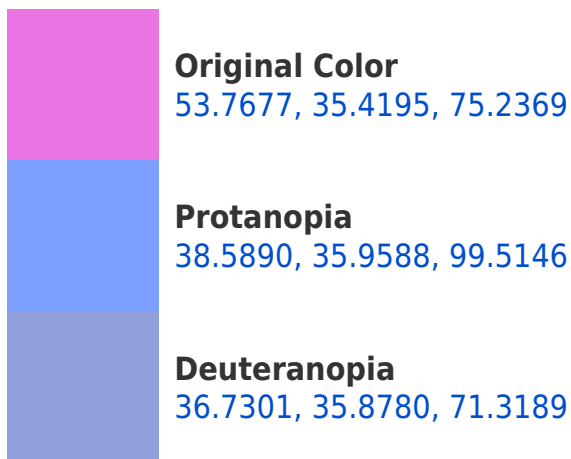
This preview shows how white text looks on a background with the XYZ color 53.7677, 35.4195,

75.2369.

# 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





## Tritanopia

44.8261, 35.3798, 31.2545

# Trichromacy



## Original Color

53.7677, 35.4195, 75.2369



## Protanomaly

41.4614, 34.0691, 89.9787



## Deuteranomaly

41.0051, 34.2125, 72.8491



## Tritanomaly

47.3541, 34.9883, 44.3020

# Monochromacy



## Original Color

53.7677, 35.4195, 75.2369



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

40.2829, 35.2314, 51.1316

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7677, 35.4195, 75.2369 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, 116, 225)` looks like.

```
.text, #text, p{  
    color:rgb(234, 116, 225)  
}
```

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, 116, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 116, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7677, 35.4195, 75.2369 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, 116, 225) }
```



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

```
.border{ border-color:rgb(234, 116, 225) }
```

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

Here you see how a box with a 4 pixel rgb(234, 116, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 116, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 116, 225);  
box-shadow:4px 4px 4px 4px rgb(234, 116,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7677, 35.4195, 75.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 116, 225) }
```

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

```
.background{ background-color: rgb(234,  
116, 225) }
```

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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