

# Converting Colors

XYZ(54.2224, 36.2516, 68.4594)

Have a look what the booklet for  
XYZ(54.2224, 36.2516, 68.4594)  
contains.

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# Color

**XYZ(54.1225, 36.2771,  
68.4396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE77D7
RGB	238, 119, 215
RGB Percent	93%, 47%, 84%
CMY	0.0667, 0.5333, 0.1569
CMYK	0.00, 0.50, 0.10, 0.07
HSL	312°, 78%, 70%
HSV	312°, 50%, 93%
XYZ	54.1225, 36.2771, 68.4396
YIQ	165.5250, 40.1080, 55.0840

# Conversions

## Conversions Part 2

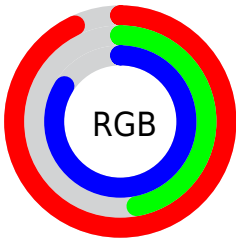
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 119, 215
Decimal	15628247
CIE Lab	66.73, 57.83, -28.68
CIE LCh	67, 64.551, 333.620
Yxy	36.2771, 0.3407, 0.2284
Android (android.graphics.Color)	4293818327 (0xFFEE77D7)
YUV	165.5250, 24.3912, 63.5606
Hunter-Lab	60.2305, 54.9950, -25.2096

# Details

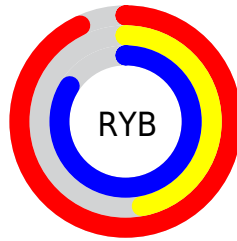
The XYZ color **54.1225, 36.2771, 68.4396** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.0665, 67.0253, 36.2611**, and the grayscale version is **35.8904, 37.7595, 41.1201**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **27.0009, 15.9082, 34.9052** is the 20% darker color. If you saturate the color by 10%, you get **51.0539, 31.0721, 64.5413**, and if you desaturate by 10%, it is **57.9192, 42.9103, 72.6633**.

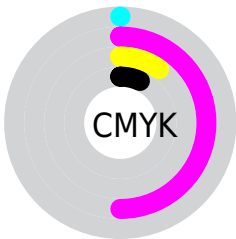
# Distribution



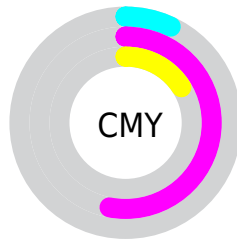
- Red (93%)
- Green (47%)
- Blue (84%)



- Red (93%)
- Yellow (47%)
- Blue (84%)



- Cyan (0%)
- Magenta (50%)
- Yellow (10%)
- Black (7%)



- Cyan (7%)
- Magenta (53%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1225, 36.2771, 68.4396 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 54.1225, 36.2771, 68.4396 by changing the saturation by 10% instead.




 54.1225, 36.2771,  
68.4396


 54.1225, 36.2771,  
68.4396

392.7677,  
330.1701, 473.6923


 38.9307, 24.6483,  
49.7865

 95.4099, 69.4595,  
118.6410

 26.8863, 15.8152,  
34.8738


 122.2362, 91.7820,  
151.0263

 17.6240, 9.3935,  
23.2829


 153.6714,  
118.4377, 188.8262

 10.7784, 4.9987,  
14.5953


190.0808,  
149.8112, 232.4591

 5.9842, 2.2465,  
8.3924

231.8298,  
186.2867, 282.3437

 2.8761, 0.7452,  
4.2557

279.2837,

 1.0886, 0.0000,

228.2488, 338.8984

1.7666

332.8079,  
276.0818, 402.5417

■ 0.0155, 0.0000,  
0.4058

■ 0.0000, 0.0000,  
0.0000

■ 54.1225, 36.2771,  
68.4396

■ 54.1225, 36.2771,  
68.4396

■ 51.0539, 31.0721,  
64.5413

■ 57.9192, 42.9103,  
72.6633

■ 48.6557, 27.1821,  
60.9475

■ 62.4889, 51.0635,  
77.2270


■ 46.8673, 24.4856,  
57.6376


■ 67.8771, 60.8267,  
82.1468


■ 45.6151, 22.8355,  
54.5865

■ 74.1247, 72.2813,  
87.4371

 44.7747, 21.9832,  
51.7520


 81.2697, 85.5035,  
93.1111

 44.7745, 21.9830,  
51.7513

 87.1380, 96.1444,  
98.4448

 87.8401, 96.4253,  
102.1422

 88.5598, 96.7132,  
105.9319

 89.0703, 96.9173,  
108.6202

# Harmonies

## Analogous

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



45.9216, 36.2771, 103.0985



54.1225, 36.2771, 68.4396



56.7470, 36.2771, 36.2098

# Triad

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



54.1225, 36.2771, 68.4396



33.3116, 36.2771, 6.5130



21.1200, 36.2771, 77.2523

# Complementary

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



54.1225, 36.2771, 68.4396



43.0665, 67.0253, 36.2611

# 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.



18.9656, 36.2771, 42.9828



54.1225, 36.2771, 68.4396



25.1172, 36.2771, 9.5581

# Square

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



54.1225, 36.2771, 68.4396



43.4873, 36.2771, 8.3028



20.2788, 36.2771, 20.1421



26.8116, 36.2771, 109.6507



# Rectangle

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



54.1225, 36.2771, 68.4396



54.6391, 36.2771, 21.6739



20.2788, 36.2771, 20.1421



20.0123, 36.2771, 65.1169

# Sweetspot

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



54.1237, 36.2788, 68.4403



82.8708, 77.5098, 99.0805



32.9846, 25.0153, 83.9798



17.4121, 15.9939, 20.9293



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.



54.1237, 36.2788, 68.4403



59.6403, 36.2223, 75.3880



47.9170, 33.7961, 35.7566



16.3156, 15.9760, 19.2183



25.0256, 12.2827, 29.1153



2.1151, 1.0351, 2.5969



# Inverse Universe

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



54.1237, 36.2788, 68.4403



59.6403, 36.2223, 75.3880



48.6462, 69.2572, 65.6436



16.3156, 15.9760, 19.2183



25.0256, 12.2827, 29.1153

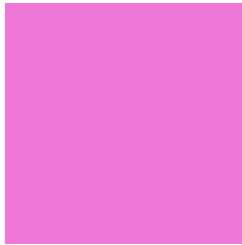


2.1151, 1.0351, 2.5969



# Previews

## White Background



This preview shows how the XYZ color 54.1225, 36.2771, 68.4396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

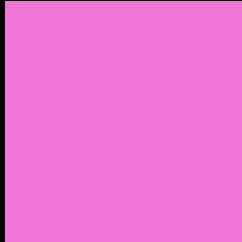
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.1225, 36.2771, 68.4396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

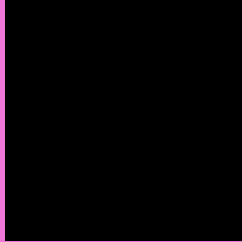
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.1225, 36.2771, 68.4396**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.1225, 36.2771, 68.4396.



This preview shows how white text looks on a background with the XYZ color 54.1225, 36.2771,



# 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

54.1225, 36.2771, 68.4396

### Protanopia

38.8750, 36.7625, 93.0426

### Deuteranopia

37.4735, 36.6642, 64.7763



## Tritanopia

46.4079, 36.1953, 31.3285

# Trichromacy



## Original Color

54.1225, 36.2771, 68.4396



## Protanomaly

41.9154, 34.9069, 83.1258



## Deuteranomaly

41.8909, 35.2682, 66.2276



## Tritanomaly

48.7102, 35.9264, 42.3974

# Monochromacy



## Original Color

54.1225, 36.2771, 68.4396



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

41.1374, 36.1621, 50.1592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1225, 36.2771, 68.4396 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(238, 119, 215)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 215)  
}
```

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(238, 119, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1225, 36.2771, 68.4396 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(238, 119, 215) }
```



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

```
.border{ border-color:rgb(238, 119, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 215);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1225, 36.2771, 68.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 215) }
```

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

```
.background{ background-color: rgb(238,  
119, 215) }
```

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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