

# Converting Colors

XYZ(63.8990, 46.5772, 88.9082)

Have a look what the booklet for  
XYZ(63.8990, 46.5772, 88.9082)  
contains.

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# Color

**XYZ(63.9671, 46.6308,  
88.8483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F593F1
RGB	245, 147, 241
RGB Percent	96%, 58%, 95%
CMY	0.0392, 0.4235, 0.0549
CMYK	0.00, 0.40, 0.02, 0.04
HSL	302°, 83%, 77%
HSV	302°, 40%, 96%
XYZ	63.9671, 46.6308, 88.8483
YIQ	187.0180, 28.2340, 50.0100

# Conversions

## Conversions Part 2

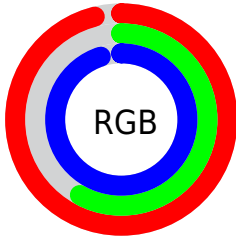
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 147, 241
Decimal	16094193
CIE Lab	73.95, 50.44, -31.80
CIE LCh	74, 59.630, 327.770
Yxy	46.6308, 0.3207, 0.2338
Android (android.graphics.Color)	4294284273 (0xFFFF593F1)
YUV	187.0180, 26.6131, 50.8502
Hunter-Lab	68.2867, 47.7067, -29.3419

# Details

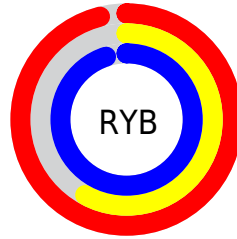
The XYZ color **63.9671, 46.6308, 88.8483** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.2729, 73.7439, 40.8652**, and the grayscale version is **47.0892, 49.5415, 53.9507**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **33.1648, 21.8963, 48.3774** is the 20% darker color. If you saturate the color by 10%, you get **60.4068, 39.7476, 86.9268**, and if you desaturate by 10%, it is **68.3425, 55.1409, 91.0465**.

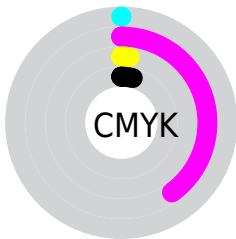
# Distribution



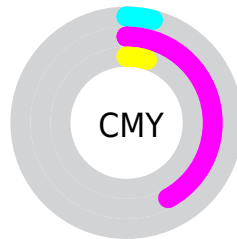
- Red (96%)
- Green (58%)
- Blue (95%)



- Red (96%)
- Yellow (58%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (42%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9671, 46.6308, 88.8483 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 63.9671, 46.6308, 88.8483 by changing the saturation by 10% instead.





 63.9671, 46.6308,  
88.8483

 63.9671, 46.6308,  
88.8483


428.6749,  
373.3389, 544.7504

 46.8856, 32.7439,  
66.4575


 109.6376, 85.1623,  
147.6591

 33.1528, 21.9303,  
48.1851


 138.9572,  
110.5756, 184.9162

 22.4033, 13.8057,  
33.6124

173.0870,  
140.5999, 227.9658

 14.2718, 7.9857,  
22.3211

212.3922,  
175.6194, 277.2264

 8.3929, 4.0858,  
13.8924

257.2383,  
216.0187, 333.1167

 4.4013, 1.7217,  
7.9080

307.9905,

 1.9316, 0.4376,

262.1822, 396.0551

3.9492

365.0143,  
314.4941, 466.4601

■ 0.5951, 0.0000,  
1.5975

■ 0.0000, 0.0000,  
0.2890

■ 63.9671, 46.6308,  
88.8483

■ 63.9671, 46.6308,  
88.8483

■ 60.4068, 39.7476,  
86.9268

■ 68.3425, 55.1409,  
91.0465

■ 57.6050, 34.3811,  
85.2618

■ 73.5759, 65.3665,  
93.5342

■ 55.5052, 30.4176,  
83.8348

■ 79.7123, 77.3970,  
96.3270

■ 54.0413, 27.7242,  
82.6238

■ 86.7927, 91.3141,  
99.4385

53.1341, 26.1431,  
81.6023

90.0516, 97.5867,  
101.2802

52.6521, 25.4110,  
80.7266

90.2056, 97.6483,  
102.0911

52.6520, 25.4109,  
80.7265

90.3604, 97.7102,  
102.9063

90.5160, 97.7725,  
103.7259

90.6725, 97.8351,  
104.5499

# Harmonies

## Analogous

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



54.5478, 46.6308, 122.2195



63.9671, 46.6308, 88.8483



68.0555, 46.6308, 53.0860

# Triad

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



63.9671, 46.6308, 88.8483



45.1216, 46.6308, 11.8569



28.5781, 46.6308, 83.2393

# Complementary

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



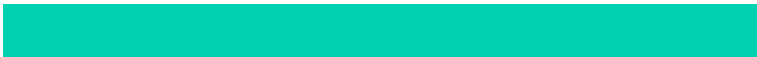
63.9671, 46.6308, 88.8483



50.2729, 73.7439, 40.8652

# 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.



26.8671, 46.6308, 48.5282



63.9671, 46.6308, 88.8483



35.4600, 46.6308, 14.5839

# Square

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



63.9671, 46.6308, 88.8483



56.1458, 46.6308, 15.5985



29.1760, 46.6308, 25.5065



34.2855, 46.6308, 118.1722



# Rectangle

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



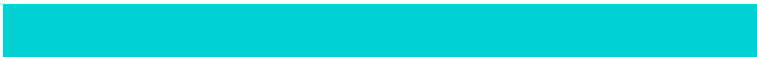
63.9671, 46.6308, 88.8483



66.7855, 46.6308, 34.9147



29.1760, 46.6308, 25.5065



27.5607, 46.6308, 70.8260

# Sweetspot

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



63.9686, 46.6329, 88.8493



85.8528, 81.9264, 104.8452



39.5441, 33.9718, 90.8604



18.1812, 17.1533, 22.3533



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.



63.9686, 46.6329, 88.8493



66.8287, 44.8281, 95.5754



57.6876, 44.1205, 55.7741



17.1827, 16.7559, 20.7086



28.3774, 13.6944, 43.5574



2.5030, 1.2072, 3.8753



# Inverse Universe

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



63.9686, 46.6329, 88.8493



66.8287, 44.8281, 95.5754



55.0267, 75.6454, 65.8982



17.1827, 16.7559, 20.7086



28.3774, 13.6944, 43.5574



2.5030, 1.2072, 3.8753



# Previews

## White Background



This preview shows how the XYZ color 63.9671, 46.6308, 88.8483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

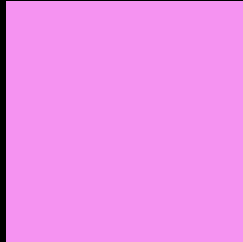
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.9671, 46.6308, 88.8483 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 63.9671, 46.6308, 88.8483**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.9671, 46.6308, 88.8483.



This preview shows how white text looks on a background with the XYZ color 63.9671, 46.6308,

88.8483.

# 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

63.9671, 46.6308, 88.8483

### Protanopia

48.6693, 47.2334, 101.1596

### Deuteranopia

48.1288, 47.0090, 85.1343



## Tritanopia

54.9769, 46.3786, 46.0988

# Trichromacy



## Original Color

63.9671, 46.6308, 88.8483



## Protanomaly

52.4932, 45.8545, 96.5266



## Deuteranomaly

52.6580, 45.8940, 86.2038



## Tritanomaly

57.6781, 46.2049, 59.3045

# Monochromacy



## Original Color

63.9671, 46.6308, 88.8483



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

52.0274, 47.4199, 65.4423

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9671, 46.6308, 88.8483 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(245, 147, 241)` looks like.

```
.text, #text, p{  
    color:rgb(245, 147, 241)  
}
```

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(245, 147, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 147, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9671, 46.6308, 88.8483 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(245, 147, 241) }
```



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

```
.border{ border-color:rgb(245, 147, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 147, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 147, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 147, 241);  
box-shadow:4px 4px 4px 4px rgb(245, 147,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9671, 46.6308, 88.8483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 147, 241) }
```

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

```
.background{ background-color: rgb(245,  
147, 241) }
```

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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