

# Converting Colors

XYZ(72.9072, 66.5992, 95.2385)

Have a look what the booklet for  
XYZ(72.9072, 66.5992, 95.2385)  
contains.

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# Color

**XYZ(72.9647, 66.7166,  
95.4181)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFC9F5
RGB	239, 201, 245
RGB Percent	94%, 79%, 96%
CMY	0.0627, 0.2117, 0.0392
CMYK	0.02, 0.18, 0.00, 0.04
HSL	292°, 69%, 87%
HSV	292°, 18%, 96%
XYZ	72.9647, 66.7166, 95.4181
YIQ	217.3780, 8.5240, 21.7400

# Conversions

## Conversions Part 2

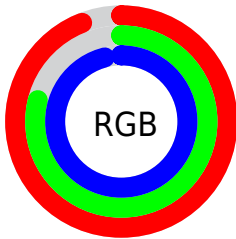
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 201, 245
Decimal	15714805
CIE <sub>Lab</sub>	85.36, 20.92, -16.63
CIE <sub>LCh</sub>	85, 26.726, 321.517
Yxy	66.7166, 0.3104, 0.2838
Android (android.graphics.Color)	4293904885 (0xFFEFC9F5)
YUV	217.3780, 13.6176, 18.9625
Hunter-Lab	81.6802, 16.5131, -12.0859

# Details

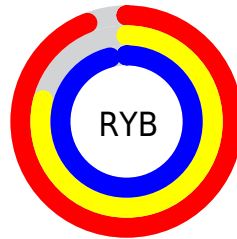
The XYZ color **72.9647, 66.7166, 95.4181** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.9295, 82.7889, 67.6086**, and the grayscale version is **66.1197, 69.5631, 75.7542**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1475, 34.6088, 52.7610** is the 20% darker color. If you saturate the color by 10%, you get **66.5858, 55.6167, 93.6128**, and if you desaturate by 10%, it is **80.2794, 79.6547, 97.5309**.

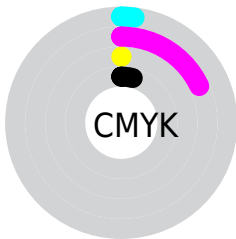
# Distribution



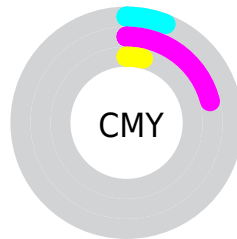
- Red (94%)
- Green (79%)
- Blue (96%)



- Red (94%)
- Yellow (79%)
- Blue (96%)



- Cyan (2%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (6%)
- Magenta (21%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9647, 66.7166, 95.4181 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 72.9647, 66.7166, 95.4181 by changing the saturation by 10% instead.



72.9647, 66.7166,  
95.4181

72.9647, 66.7166,  
95.4181

459.9981,  
448.9353, 566.5211

54.2354, 48.8544,  
71.8842

122.4305,  
114.5142, 156.8426

39.0213, 34.5040,  
52.5778

153.8977,  
145.2184, 195.5704

26.9571, 23.2810,  
37.0804

190.3415,  
180.9720, 240.1998

17.6774, 14.8011,  
24.9735

232.1274,  
222.1595, 291.1494

10.8169, 8.6799,  
15.8385

279.6206,  
269.1651, 348.8378

6.0102, 4.5330,  
9.2568

333.1866,

2.8920, 1.9760,

322.3734, 413.6836

4.8100

393.1906,  
382.1687, 486.1051

■ 1.0969, 0.5935,  
2.0794

■ 0.0225, 0.0000,  
0.6035

■ 72.9647, 66.7166,  
95.4181

■ 72.9647, 66.7166,  
95.4181

■ 66.5858, 55.6167,  
93.6128

■ 80.2794, 79.6547,  
97.5309

■ 61.0934, 46.2602,  
92.0963

■ 88.5641, 94.5030,  
99.9602

■ 56.4428, 38.5567,  
90.8545

■ 91.3173, 98.2569,  
100.5397

■ 52.5830, 32.4044,  
89.8704

■ 92.5190, 98.8764,  
100.5959

■ 49.4573, 27.6900,  
89.1252

■ 93.4816, 99.3726,  
100.6410

■ 47.0013, 24.2847,  
88.5973

■ 45.1388, 22.0367,  
88.2616

■ 43.7665, 20.7392,  
88.0835

■ 43.5155, 20.5291,  
88.0562

# Harmonies

## Analogous

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



67.7769, 66.7166, 108.2680



72.9647, 66.7166, 95.4181



75.6322, 66.7166, 77.6708

# Triad

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



72.9647, 66.7166, 95.4181



65.1442, 66.7166, 44.4146



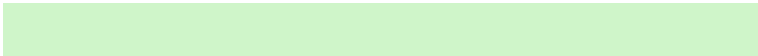
53.1906, 66.7166, 85.5655

# Complementary

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



72.9647, 66.7166, 95.4181



68.9295, 82.7889, 67.6086

# 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.



52.5848, 66.7166, 67.8370



72.9647, 66.7166, 95.4181



59.2389, 66.7166, 45.8402

# Square

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



72.9647, 66.7166, 95.4181



70.9327, 66.7166, 49.5529



54.7320, 66.7166, 53.8151



56.4429, 66.7166, 101.9794



# Rectangle

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



72.9647, 66.7166, 95.4181



75.5119, 66.7166, 66.1898



54.7320, 66.7166, 53.8151



52.6793, 66.7166, 79.5027

# Sweetspot

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



72.9667, 66.7195, 95.4195



90.4798, 91.8049, 107.5591



63.0301, 63.9302, 95.4049



19.2336, 19.4127, 22.9833



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.



72.9667, 66.7195, 95.4195



76.9318, 67.8587, 103.6510



72.7717, 66.8794, 83.6442



16.9784, 16.6470, 20.8609



23.5297, 11.1043, 47.4412



2.1282, 1.0070, 4.1724



# Inverse Universe

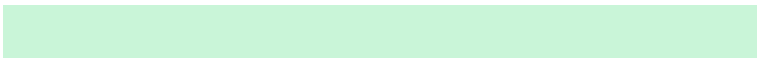
The Inverse Universe completely reimagines the original color for something new.



69.8076, 65.6937, 68.0355



72.8480, 66.5439, 67.7482



69.1886, 82.7026, 77.5564



16.5911, 16.5193, 17.5935



20.4658, 10.5298, 1.8954



1.8268, 0.9367, 0.3142



# Previews

## White Background



This preview shows how the XYZ color 72.9647, 66.7166, 95.4181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

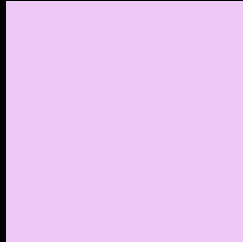
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9647, 66.7166, 95.4181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

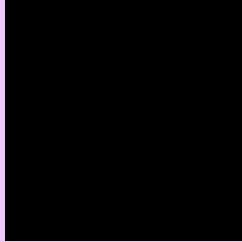
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.9647, 66.7166, 95.4181**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9647, 66.7166, 95.4181.



This preview shows how white text looks on a background with the XYZ color 72.9647, 66.7166,

95.4181.

# 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

72.9647, 66.7166, 95.4181

### Protanopia

66.2910, 67.0944, 101.5521

### Deuteranopia

68.4002, 66.8590, 94.8880



## Tritanopia

69.4745, 66.7160, 77.6224

# Trichromacy



## Original Color

72.9647, 66.7166, 95.4181

## Protanomaly

68.2700, 66.7030, 98.8993

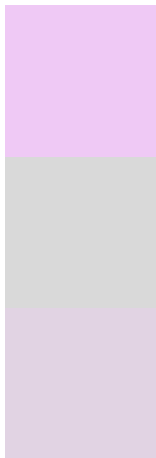
## Deuteranomaly

69.8390, 66.5252, 94.7477

## Tritanomaly

70.8008, 66.9034, 84.0450

# Monochromacy



## Original Color

72.9647, 66.7166, 95.4181

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

68.2107, 68.1421, 82.2307

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9647, 66.7166, 95.4181 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(239, 201, 245)` looks like.

```
.text, #text, p{  
    color:rgb(239, 201, 245)  
}
```

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(239, 201, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 201, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9647, 66.7166, 95.4181 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(239, 201, 245) }
```



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

```
.border{ border-color:rgb(239, 201, 245) }
```

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

Here you see how a box with a 4 pixel rgb(239, 201, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 201, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 201, 245);  
box-shadow:4px 4px 4px 4px rgb(239, 201,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9647, 66.7166, 95.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 201, 245) }
```

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

```
.background{ background-color: rgb(239,  
201, 245) }
```

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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