

# Converting Colors

XYZ(59.3614, 38.9273, 98.9921)

Have a look what the booklet for  
XYZ(59.3614, 38.9273, 98.9921)  
contains.

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# Color

**XYZ(59.2705, 38.8012,  
98.9732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB7AFF
RGB	235, 122, 255
RGB Percent	92%, 48%, 100%
CMY	0.0784, 0.5215, 0.0000
CMYK	0.08, 0.52, 0.00, 0.00
HSL	291°, 100%, 74%
HSV	291°, 52%, 100%
XYZ	59.2705, 38.8012, 98.9732
YIQ	170.9490, 24.6550, 65.3190

# Conversions

## Conversions Part 2

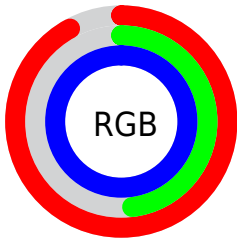
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">235, 122, 255</a>
Decimal	<a href="#">15432447</a>
CIELab	<a href="#">68.61, 62.49, -47.86</a>
CIElCh	<a href="#">69, 78.712, 322.548</a>
Yxy	<a href="#">38.8012, 0.3008, 0.1969</a>
Android (android.graphics.Color)	<a href="#">4293622527 (0xFFEB7AFF)</a>
YUV	<a href="#">170.9490, 41.4371, 56.1727</a>
Hunter-Lab	<a href="#">62.2906, 60.8370, -50.6021</a>

# Details

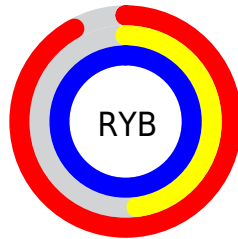
The XYZ color **59.2705, 38.8012, 98.9732** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **50.4290, 78.6763, 30.9421**, and the grayscale version is **38.4744, 40.4781, 44.0806**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **30.2727, 17.3208, 55.1738** is the 20% darker color. If you saturate the color by 10%, you get **55.2883, 32.6951, 98.0045**, and if you desaturate by 10%, it is **64.1038, 46.5671, 100.2175**.

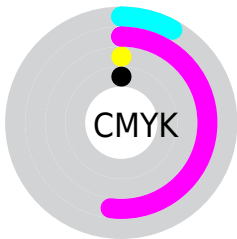
# Distribution



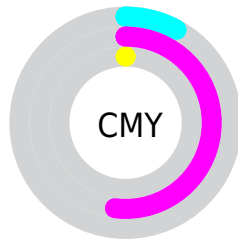
- Red (92%)
- Green (48%)
- Blue (100%)



- Red (92%)
- Yellow (48%)
- Blue (100%)



- Cyan (8%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (52%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2705, 38.8012, 98.9732 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 59.2705, 38.8012, 98.9732 by changing the saturation by 10% instead.





 59.2705, 38.8012,  
98.9732

 59.2705, 38.8012,  
98.9732


411.7816,  
341.0445, 578.1142


 43.0781, 26.6051,  
74.8312


 102.8831, 73.3345,  
161.7850

 30.1412, 17.2769,  
54.9737


 131.0340, 96.4405,  
201.2918

 20.0944, 10.4321,  
38.9822


 163.9018,  
123.9520, 246.7573

 12.5723, 5.6864,  
26.4382

201.8518,  
156.2533, 298.6001

 7.2097, 2.6553,  
16.9230

245.2495,  
193.7288, 357.2386

 3.6411, 0.9546,  
10.0182

294.4601,

 1.5012, 0.0000,

236.7629, 423.0914

5.3053

349.8490,  
285.7400, 496.5771

■ 0.3266, 0.0000,  
2.3656

■ 0.0000, 0.0000,  
0.7676

■ 59.2705, 38.8012,  
98.9732

■ 59.2705, 38.8012,  
98.9732

■ 55.2883, 32.6951,  
98.0045

■ 64.1038, 46.5671,  
100.2175

■ 52.0874, 28.1123,  
97.2886

■ 69.8432, 56.1052,  
101.7560

■ 49.5933, 24.9029,  
96.8006

■ 76.5432, 67.5237,  
103.6069

■ 47.7141, 22.8839,  
96.5100

■ 84.2531, 80.9207,  
105.7864

■ 46.5634, 21.9192,  
96.3844

■ 93.0186, 96.3876,  
108.3098

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



46.8152, 38.8012, 142.1145



59.2705, 38.8012, 98.9732



65.9864, 38.8012, 51.7524

# Triad

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



59.2705, 38.8012, 98.9732



40.0638, 38.8012, 4.2469



18.9292, 38.8012, 74.2735

# Complementary

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



59.2705, 38.8012, 98.9732



50.4290, 78.6763, 30.9421

# 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.



17.9072, 38.8012, 33.9847



59.2705, 38.8012, 98.9732



28.4593, 38.8012, 5.3337

# Square

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



59.2705, 38.8012, 98.9732



53.3897, 38.8012, 7.8916



20.9848, 38.8012, 12.8138



24.1808, 38.8012, 123.1180



# Rectangle

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



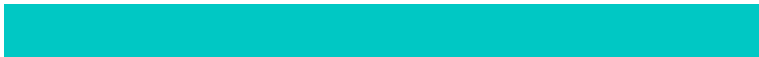
59.2705, 38.8012, 98.9732



65.4444, 38.8012, 29.0631



20.9848, 38.8012, 12.8138



18.1360, 38.8012, 58.9166

# Sweetspot

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



59.2718, 38.8028, 98.9735



81.1661, 75.5294, 104.9085



36.0759, 31.3562, 98.7587



17.0327, 15.5751, 22.3585



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.



59.2718, 38.8028, 98.9735



54.9885, 32.2507, 97.9345



59.9165, 39.8668, 65.9474



18.5085, 18.1539, 22.7785



24.4321, 11.5057, 50.3677



2.4485, 1.1561, 4.9074



# Inverse Universe

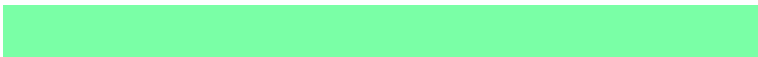
The Inverse Universe completely reimagines the original color for something new.



53.0828, 37.1334, 29.9620



48.5741, 30.6479, 20.6532



50.7006, 78.4235, 48.7036



18.1207, 18.0316, 19.2526



21.7676, 11.1963, 2.1606



2.1506, 1.1026, 0.3747



# Previews

## White Background



This preview shows how the XYZ color 59.2705, 38.8012, 98.9732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

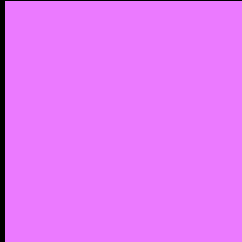
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2705, 38.8012, 98.9732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

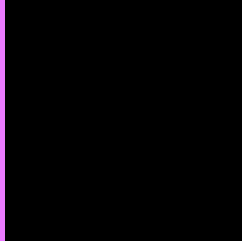
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.2705, 38.8012, 98.9732**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2705, 38.8012, 98.9732.



This preview shows how white text looks on a background with the XYZ color 59.2705, 38.8012,

98.9732.

# 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

59.2705, 38.8012, 98.9732

### Protanopia

41.3366, 39.1986, 99.9952

### Deuteranopia

40.2562, 39.0562, 93.4126



## Tritanopia

46.4889, 38.5217, 36.8835

# Trichromacy



## Original Color

59.2705, 38.8012, 98.9732



## Protanomaly

45.5920, 37.3728, 99.4185



## Deuteranomaly

44.9563, 37.3727, 95.2867



## Tritanomaly

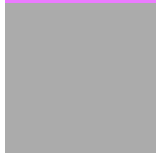
50.2499, 38.0725, 55.1523

# Monochromacy



## Original Color

59.2705, 38.8012, 98.9732



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

44.3000, 38.5161, 60.9766

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2705, 38.8012, 98.9732 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(235, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 122, 255)  
}
```

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(235, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 122, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2705, 38.8012, 98.9732 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(235, 122, 255) }
```



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

```
.border{ border-color:rgb(235, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 122,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2705, 38.8012, 98.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 122, 255) }
```

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

```
.background{ background-color: rgb(235,  
122, 255) }
```

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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