

# Converting Colors

XYZ(58.0318, 42.4174, 72.1169)

Have a look what the booklet for  
XYZ(58.0318, 42.4174, 72.1169)  
contains.

<b>XYZ(58.0994, 42.3959, 72.1389)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.0994, 42.3959,  
72.1389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F08CDB
RGB	240, 140, 219
RGB Percent	94%, 55%, 86%
CMY	0.0588, 0.4510, 0.1412
CMYK	0.00, 0.42, 0.09, 0.06
HSL	313°, 77%, 75%
HSV	313°, 42%, 94%
XYZ	58.0994, 42.3959, 72.1389
YIQ	178.9060, 34.2410, 45.7690

# Conversions

## Conversions Part 2

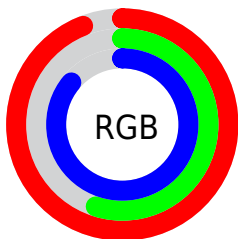
Format	Color
R <sub>Y</sub> B	240, 140, 219
Decimal	15764699
CIE Lab	71.14, 48.72, -24.11
CIE LCh	71, 54.362, 333.674
Yxy	42.3959, 0.3365, 0.2456
Android (android.graphics.Color)	4293954779 (0xFFFF08CDB)
YUV	178.9060, 19.7663, 53.5794
Hunter-Lab	65.1121, 45.3289, -20.1100

# Details

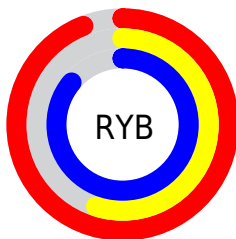
The XYZ color **58.0994, 42.3959, 72.1389** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.4101, 70.4701, 44.7716**, and the grayscale version is **42.6843, 44.9072, 48.9039**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **29.4004, 19.4418, 37.3250** is the 20% darker color. If you saturate the color by 10%, you get **54.3141, 35.8706, 67.6530**, and if you desaturate by 10%, it is **62.6722, 50.4626, 76.9873**.

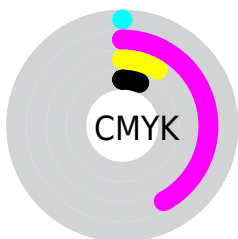
# Distribution



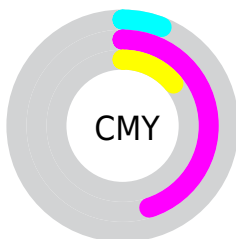
- Red (94%)
- Green (55%)
- Blue (86%)



- Red (94%)
- Yellow (55%)
- Blue (86%)



- Cyan (0%)
- Magenta (42%)
- Yellow (9%)
- Black (6%)




- Cyan (6%)
- Magenta (45%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0994, 42.3959, 72.1389 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 58.0994, 42.3959, 72.1389 by changing the saturation by 10% instead.



 58.0994, 42.3959,  
72.1389


 58.0994, 42.3959,  
72.1389


407.5041,  
356.1215, 487.0154


 42.1321, 29.4114,  
52.7846


 101.1897, 78.7985,  
123.9635

 29.3963, 19.3923,  
37.2443


 129.0435,  
102.9853, 157.2710

 19.5266, 11.9541,  
25.0994

 161.5902,  
131.6751, 196.0666

 12.1577, 6.7124,  
15.9315

199.1951,  
165.2522, 240.7688

 6.9241, 3.2829,  
9.3218

242.2235,  
204.1010, 291.7963

 3.4606, 1.2812,  
4.8520

291.0410,

 1.4018, 0.1265,

248.6058, 349.5675

2.1035

346.0127,  
299.1512, 414.5011

■ 0.2575, 0.0000,  
0.6178

■ 0.0000, 0.0000,  
0.0000

■ 58.0994, 42.3959,  
72.1389

■ 58.0994, 42.3959,  
72.1389

■ 54.3141, 35.8706,  
67.6530

■ 62.6722, 50.4626,  
76.9873

■ 51.2619, 30.7802,  
63.5092


■ 68.0743, 60.1562,  
82.2118


■ 48.8876, 27.0142,  
59.6889


■ 74.3493, 71.5630,  
87.8280


■ 47.1266, 24.4433,  
56.1695


■ 81.5367, 84.7615,  
93.8501

 45.9008, 22.9120,  
52.9241

 88.0554, 96.5894,  
99.7517

 45.1859, 22.2256,  
50.3936

 88.8323, 96.9001,  
103.8427

 89.6302, 97.2193,  
108.0448

 89.7455, 97.2654,  
108.6518

# Harmonies

## Analogous

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



50.7963, 42.3959, 101.6767



58.0994, 42.3959, 72.1389



60.3990, 42.3959, 43.0246

# Triad

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



58.0994, 42.3959, 72.1389



39.1851, 42.3959, 12.0402



27.4192, 42.3959, 79.8912

# Complementary

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



58.0994, 42.3959, 72.1389



48.4101, 70.4701, 44.7716

# 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.



25.2365, 42.3959, 49.4482



58.0994, 42.3959, 72.1389



31.3527, 42.3959, 15.7587

# Square

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



58.0994, 42.3959, 72.1389



48.5635, 42.3959, 14.2416



26.5609, 42.3959, 27.3159



33.0245, 42.3959, 107.2103



# Rectangle

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



58.0994, 42.3959, 72.1389



58.5371, 42.3959, 28.8237



26.5609, 42.3959, 27.3159



26.3027, 42.3959, 69.3464

# Sweetspot

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



58.1007, 42.3978, 72.1398



85.0357, 81.5996, 100.5427



39.6055, 32.5233, 86.6290



17.9877, 17.0759, 21.3344



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.



58.1007, 42.3978, 72.1398



62.9288, 42.1821, 78.3868



52.5706, 40.1858, 43.0183



16.3038, 15.9712, 19.1559



24.7855, 12.1866, 27.8509



2.0971, 1.0279, 2.5022



# Inverse Universe

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



58.1007, 42.3978, 72.1398



62.9288, 42.1821, 78.3868



53.6097, 72.5500, 72.1524



16.3038, 15.9712, 19.1559



24.7855, 12.1866, 27.8509

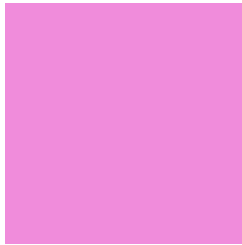


2.0971, 1.0279, 2.5022



# Previews

## White Background



This preview shows how the XYZ color 58.0994, 42.3959, 72.1389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

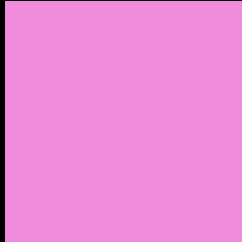
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.0994, 42.3959, 72.1389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

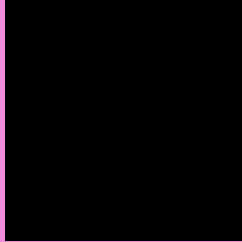
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.0994, 42.3959, 72.1389**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.0994, 42.3959, 72.1389.



This preview shows how white text looks on a background with the XYZ color 58.0994, 42.3959,



# 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

58.0994, 42.3959, 72.1389

### Protanopia

44.0671, 42.7484, 90.7227

### Deuteranopia

43.5864, 42.7006, 68.8956



## Tritanopia

51.4434, 42.4245, 40.1277

# Trichromacy



## Original Color

58.0994, 42.3959, 72.1389



## Protanomaly

47.4297, 41.3964, 83.3324



## Deuteranomaly

47.8625, 41.9182, 69.8584



## Tritanomaly

53.7292, 42.4316, 50.1580

# Monochromacy



## Original Color

58.0994, 42.3959, 72.1389



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

47.2801, 43.2228, 56.8898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0994, 42.3959, 72.1389 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(240, 140, 219)` looks like.

```
.text, #text, p{  
    color:rgb(240, 140, 219)  
}
```

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(240, 140, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 140, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0994, 42.3959, 72.1389 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(240, 140, 219) }
```



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

```
.border{ border-color:rgb(240, 140, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 140, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 140, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 140, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 140,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0994, 42.3959, 72.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 140, 219) }
```

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

```
.background{ background-color: rgb(240,  
140, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor