

# Converting Colors

XYZ(60.0840, 43.5475, 80.7372)

Have a look what the booklet for  
XYZ(60.0840, 43.5475, 80.7372)  
contains.

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# Color

**XYZ(59.8839, 43.3445,  
80.8114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F08DE7
RGB	240, 141, 231
RGB Percent	94%, 55%, 91%
CMY	0.0588, 0.4470, 0.0941
CMYK	0.00, 0.41, 0.04, 0.06
HSL	305°, 77%, 75%
HSV	305°, 41%, 94%
XYZ	59.8839, 43.3445, 80.8114
YIQ	180.8610, 30.1140, 48.9780

# Conversions

## Conversions Part 2

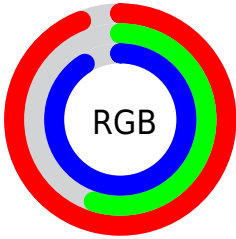
Format	Color
R <sub>Y</sub> B	240, 141, 231
Decimal	15764967
CIE Lab	71.79, 50.24, -29.72
CIE LCh	72, 58.376, 329.395
Yxy	43.3445, 0.3254, 0.2355
Android (android.graphics.Color)	4293955047 (0xFFFF08DE7)
YUV	180.8610, 24.7185, 51.8649
Hunter-Lab	65.8365, 47.1469, -26.6902

# Details

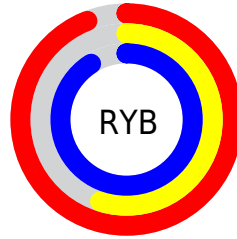
The XYZ color **59.8839, 43.3445, 80.8114** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.6515, 70.1865, 39.8926**, and the grayscale version is **43.7065, 45.9827, 50.0752**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **30.4375, 19.8566, 42.7859** is the 20% darker color. If you saturate the color by 10%, you get **56.4152, 36.8964, 78.1444**, and if you desaturate by 10%, it is **64.1260, 51.3315, 83.7560**.

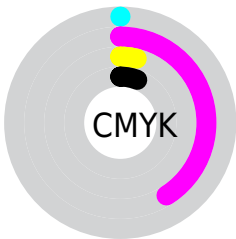
# Distribution



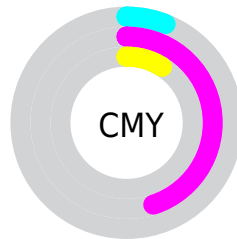
- Red (94%)
- Green (55%)
- Blue (91%)



- Red (94%)
- Yellow (55%)
- Blue (91%)



- Cyan (0%)
- Magenta (41%)
- Yellow (4%)
- Black (6%)




- Cyan (6%)
- Magenta (45%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8839, 43.3445, 80.8114 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 59.8839, 43.3445, 80.8114 by changing the saturation by 10% instead.





 59.8839, 43.3445,  
80.8114


 59.8839, 43.3445,  
80.8114


414.0113,  
360.0266, 517.4418

 43.5742, 30.1555,  
59.8562

 103.7685, 80.2305,  
136.3276

 30.5323, 19.9567,  
42.8782

 132.0741,  
104.6962, 171.7257

 20.3931, 12.3635,  
29.4589


165.1091,  
133.6897, 212.7751

 12.7910, 6.9918,  
19.1797

203.2387,  
167.5953, 259.8945

 7.3608, 3.4570,  
11.6220

246.8284,  
206.7974, 313.5023

 3.7371, 1.3747,  
6.3675

296.2435,

 1.5545, 0.1980,

251.6804, 374.0171

2.9974

351.8493,  
302.6286, 441.8574

■ 0.3625, 0.0000,  
1.0933

■ 0.0000, 0.0000,  
0.0000

■ 59.8839, 43.3445,  
80.8114

■ 59.8839, 43.3445,  
80.8114

■ 56.4152, 36.8964,  
78.1444

■ 64.1260, 51.3315,  
83.7560

■ 53.6655, 31.8811,  
75.7355

■ 69.1828, 60.9425,  
86.9908

■ 51.5804, 28.1889,  
73.5670

■ 75.0976, 72.2635,  
90.5307

■ 50.0957, 25.6912,  
71.6174

■ 81.9096, 85.3726,  
94.3888

49.1342, 24.2341,  
69.8608

87.7094, 96.4510,  
97.9287

48.6143, 23.5970,  
68.4460

88.0391, 96.5829,  
99.6646

88.3726, 96.7163,  
101.4211

88.7101, 96.8513,  
103.1983

89.0516, 96.9879,  
104.9964

# Harmonies

## Analogous

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



51.2827, 43.3445, 112.5475



59.8839, 43.3445, 80.8114



63.3557, 43.3445, 47.7735

# Triad

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



59.8839, 43.3445, 80.8114



41.3992, 43.3445, 10.9428



26.7184, 43.3445, 79.3909

# Complementary

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



59.8839, 43.3445, 80.8114



47.6515, 70.1865, 39.8926

# 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.



24.9218, 43.3445, 46.6207



59.8839, 43.3445, 80.8114



32.5298, 43.3445, 13.8151

# Square

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



59.8839, 43.3445, 80.8114



51.6872, 43.3445, 14.0707



26.8695, 43.3445, 24.4957



32.2329, 43.3445, 111.5218



# Rectangle

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



59.8839, 43.3445, 80.8114



61.9264, 43.3445, 31.2845



26.8695, 43.3445, 24.4957



25.7030, 43.3445, 67.7501

# Sweetspot

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



59.8853, 43.3465, 80.8123



85.6085, 81.8287, 103.5590



37.6951, 31.7563, 86.5822



18.1233, 17.1302, 22.0484



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.



59.8853, 43.3465, 80.8123



65.5037, 43.7483, 90.2931



53.9312, 40.9648, 49.4581



16.3887, 16.0052, 19.6029



26.6379, 12.9276, 37.6054



2.2340, 1.0826, 3.2231



# Inverse Universe

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



59.8853, 43.3465, 80.8123



65.5037, 43.7483, 90.2931



52.4261, 72.0964, 65.0355



16.3887, 16.0052, 19.6029



26.6379, 12.9276, 37.6054

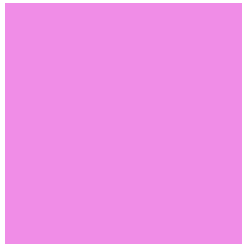


2.2340, 1.0826, 3.2231



# Previews

## White Background



This preview shows how the XYZ color 59.8839, 43.3445, 80.8114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

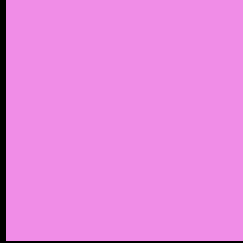
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8839, 43.3445, 80.8114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

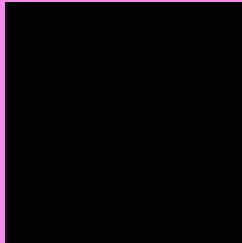
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.8839, 43.3445, 80.8114**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.8839, 43.3445, 80.8114.



This preview shows how white text looks on a background with the XYZ color 59.8839, 43.3445,



# 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

59.8839, 43.3445, 80.8114

### Protanopia

45.7637, 43.9761, 100.6840

### Deuteranopia

44.6826, 43.6482, 77.3041



## Tritanopia

51.8830, 43.3517, 41.7096

# Trichromacy



## Original Color

59.8839, 43.3445, 80.8114



## Protanomaly

49.0833, 42.5618, 92.8170



## Deuteranomaly

48.8581, 42.5051, 78.3023



## Tritanomaly

54.4616, 43.1926, 54.1818

# Monochromacy



## Original Color

59.8839, 43.3445, 80.8114



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

48.3021, 43.9525, 59.9707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8839, 43.3445, 80.8114 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, 141, 231)` looks like.

```
.text, #text, p{  
    color:rgb(240, 141, 231)  
}
```

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, 141, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 141, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8839, 43.3445, 80.8114 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, 141, 231) }
```



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

```
.border{ border-color:rgb(240, 141, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 141, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 141, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 141, 231);  
box-shadow:4px 4px 4px 4px rgb(240, 141,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8839, 43.3445, 80.8114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 141, 231) }
```

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

```
.background{ background-color: rgb(240,  
141, 231) }
```

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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