

Converting Colors

XYZ(59.9104, 39.3422, 99.0439)

Have a look what the booklet for
XYZ(59.9104, 39.3422, 99.0439)
contains.

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Color

**XYZ(60.0580, 39.3904,
99.0455)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7BFF
RGB	237, 123, 255
RGB Percent	93%, 48%, 100%
CMY	0.0706, 0.5176, 0.0000
CMYK	0.07, 0.52, 0.00, 0.00
HSL	292°, 100%, 74%
HSV	292°, 52%, 100%
XYZ	60.0580, 39.3904, 99.0455
YIQ	172.1340, 25.5720, 65.2200

Conversions

Conversions Part 2

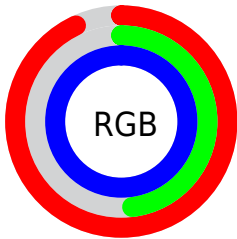
Format	Color
R _Y B	237, 123, 255
Decimal	15563775
CIE Lab	69.03, 62.53, -47.18
CIE LCh	69, 78.334, 322.968
Yxy	39.3904, 0.3026, 0.1984
Android (android.graphics.Color)	4293753855 (0xFFED7BFF)
YUV	172.1340, 40.8529, 56.8875
Hunter-Lab	62.7618, 60.9771, -49.6334

Details

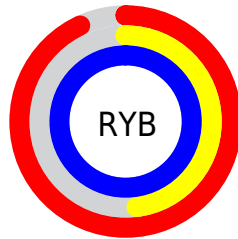
The XYZ color **60.0580, 39.3904, 99.0455** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **50.3205, 78.6132, 31.2623**, and the grayscale version is **39.0725, 41.1073, 44.7659**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **30.5603, 17.5565, 55.2041** is the 20% darker color. If you saturate the color by 10%, you get **56.1474, 33.2752, 98.0712**, and if you desaturate by 10%, it is **64.8173, 47.1678, 100.2958**.

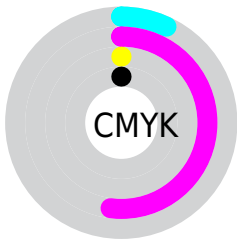
Distribution



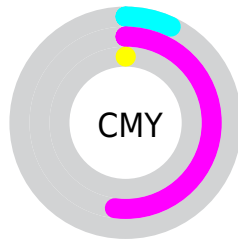
- Red (93%)
- Green (48%)
- Blue (100%)



- Red (93%)
- Yellow (48%)
- Blue (100%)



- Cyan (7%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0580, 39.3904, 99.0455 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 60.0580, 39.3904, 99.0455 by changing the saturation by 10% instead.

 60.0580, 39.3904,
99.0455


 60.0580, 39.3904,
99.0455


414.6428,
343.5475, 578.3486


 43.7150, 27.0636,
74.8912

 104.0197, 74.2343,
161.8853

 30.6435, 17.6210,
55.0226


 132.3691, 97.5202,
201.4078

 20.4780, 10.6782,
39.0211

 165.4513,
125.2279, 246.8902

 12.8533, 5.8509,
26.4682

203.6318,
157.7419, 298.7510

 7.4039, 2.7546,
16.9453

247.2758,
195.4464, 357.4087

 3.7645, 1.0050,
10.0340

296.7488,

 1.5698, 0.0000,

238.7259, 423.2818

5.3156

352.4160,
287.9648, 496.7890

■ 0.3726, 0.0000,
2.3716

■ 0.0000, 0.0000,
0.7709

■ 60.0580, 39.3904,
99.0455

■ 60.0580, 39.3904,
99.0455

■ 56.1474, 33.2752,
98.0712

■ 64.8173, 47.1678,
100.2958

■ 53.0162, 28.6863,
97.3505

■ 70.4800, 56.7193,
101.8410

■ 50.5902, 25.4749,
96.8585

■ 77.1005, 68.1527,
103.6989

■ 48.7786, 23.4594,
96.5649

■ 84.7279, 81.5657,
105.8859

■ 47.6348, 22.4715,
96.4345

■ 93.4077, 97.0495,
108.4171

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.



47.6096, 39.3904, 142.4322



60.0580, 39.3904, 99.0455



66.6744, 39.3904, 51.8677

Triad

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



60.0580, 39.3904, 99.0455



40.4555, 39.3904, 4.4448



19.4015, 39.3904, 75.6988

Complementary

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



60.0580, 39.3904, 99.0455



50.3205, 78.6132, 31.2623

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.



18.3113, 39.3904, 35.0121



60.0580, 39.3904, 99.0455



28.8316, 39.3904, 5.6245

Square

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



60.0580, 39.3904, 99.0455



53.8371, 39.3904, 8.0885



21.3598, 39.3904, 13.3798



24.7634, 39.3904, 124.5087

Rectangle

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



60.0580, 39.3904, 99.0455



66.0421, 39.3904, 29.2374



21.3598, 39.3904, 13.3798



18.5806, 39.3904, 60.2414

Sweetspot

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



60.0593, 39.3921, 99.0457



81.3700, 75.6345, 104.9180



36.0122, 31.0176, 98.6967



17.0817, 15.6004, 22.3608



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.



60.0593, 39.3921, 99.0457



56.0644, 33.1491, 98.0512



59.8077, 40.0208, 64.7656



18.5348, 18.1674, 22.7797



24.9844, 11.7904, 50.3935



2.4970, 1.1812, 4.9097

Inverse Universe

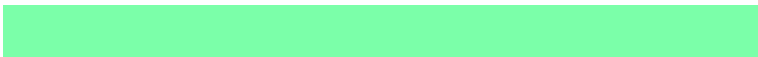
The Inverse Universe completely reimagines the original color for something new.



53.1315, 37.3504, 29.6095



48.8027, 31.1098, 20.7150



51.1096, 78.6035, 50.1145



18.1102, 18.0274, 19.1975



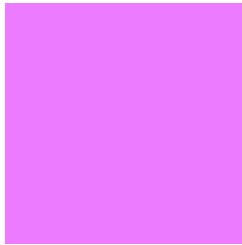
21.7361, 11.1837, 1.9949



2.1458, 1.1007, 0.3490

Previews

White Background



This preview shows how the XYZ color 60.0580, 39.3904, 99.0455 looks on a white background.

Color Contrast Check

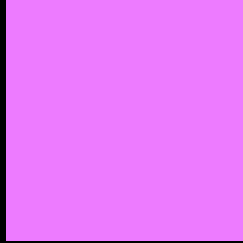
Large Text (above 18pt) WCAG AA × Fail

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 60.0580, 39.3904, 99.0455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

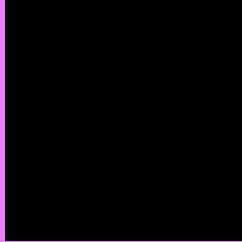
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.0580, 39.3904, 99.0455

Background



This preview shows how black text looks on a background with the XYZ color 60.0580, 39.3904, 99.0455.



This preview shows how white text looks on a background with the XYZ color 60.0580, 39.3904,

99.0455.

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

60.0580, 39.3904, 99.0455

Protanopia

41.8396, 39.7267, 100.0706

Deuteranopia

40.9445, 39.9549, 93.5497



Tritanopia

47.3457, 39.1834, 37.4155

Trichromacy



Original Color

60.0580, 39.3904, 99.0455



Protanomaly

46.1899, 37.9169, 99.4920



Deuteranomaly

45.7171, 38.2428, 95.4145

Tritanomaly

51.0272, 38.6852, 55.2296

Monochromacy



Original Color

60.0580, 39.3904, 99.0455



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

44.9812, 39.1112, 61.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0580, 39.3904, 99.0455 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(237, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 123, 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(237, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.0580, 39.3904, 99.0455 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(237, 123, 255) }
```


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

```
.border{ border-color:rgb(237, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 123,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0580, 39.3904, 99.0455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 123, 255) }
```

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

```
.background{ background-color: rgb(237,  
123, 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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