

Converting Colors

XYZ(60.8335, 39.3876, 88.8163)

Have a look what the booklet for
XYZ(60.8335, 39.3876, 88.8163)
contains.

XYZ(60.9002, 39.4968, 89.2079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(60.9002, 39.4968,
89.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	F678F3
RGB	246, 120, 243
RGB Percent	96%, 47%, 95%
CMY	0.0353, 0.5294, 0.0471
CMYK	0.00, 0.51, 0.01, 0.04
HSL	301°, 88%, 72%
HSV	301°, 51%, 96%
XYZ	60.9002, 39.4968, 89.2079
YIQ	171.6960, 35.6130, 64.9650

Conversions

Conversions Part 2

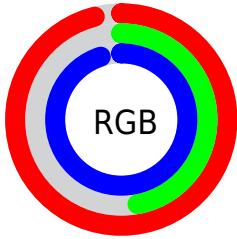
Format	Color
R _Y B	246, 120, 243
Decimal	16152819
CIE Lab	69.11, 64.20, -40.40
CIE LCh	69, 75.857, 327.816
Yxy	39.4968, 0.3212, 0.2083
Android (android.graphics.Color)	4294342899 (0xFFFF678F3)
YUV	171.6960, 35.1529, 65.1646
Hunter-Lab	62.8465, 62.9907, -40.1671

Details

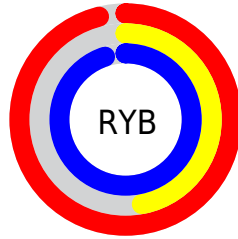
The XYZ color **60.9002, 39.4968, 89.2079** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.2784, 71.3363, 30.1767**, and the grayscale version is **38.8761, 40.9007, 44.5408**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **31.1339, 17.6650, 48.2231** is the 20% darker color. If you saturate the color by 10%, you get **58.2249, 34.2866, 87.8806**, and if you desaturate by 10%, it is **64.3384, 46.2303, 90.7916**.

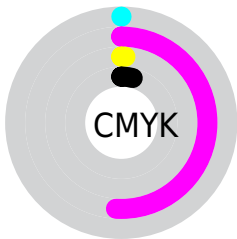
Distribution



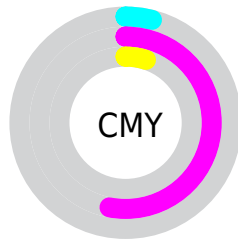
- Red (96%)
- Green (47%)
- Blue (95%)



- Red (96%)
- Yellow (47%)
- Blue (95%)



- Cyan (0%)
- Magenta (51%)
- Yellow (1%)
- Black (4%)




- Cyan (4%)
- Magenta (53%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9002, 39.4968, 89.2079 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 60.9002, 39.4968, 89.2079 by changing the saturation by 10% instead.


 60.9002, 39.4968,
89.2079


 60.9002, 39.4968,
89.2079


417.6897,
343.9981, 545.9543


 44.3969, 27.1464,
66.7539

 105.2334, 74.3966,
148.1635

 31.1819, 17.6832,
48.4243


 133.7939, 97.7149,
185.5022

 20.8899, 10.7228,
33.8006


 167.1042,
125.4579, 228.6395

 13.1555, 5.8808,
22.4644

205.5296,
158.0101, 277.9940

 7.6135, 2.7727,
13.9969

249.4355,
195.7558, 333.9841

 3.8983, 1.0143,
7.9798

299.1873,

 1.6448, 0.0000,

239.0794, 397.0285

3.9944

355.1502,
288.3654, 467.5457

■ 0.4213, 0.0000,
1.6223

■ 0.0000, 0.0000,
0.3067

■ 60.9002, 39.4968,
89.2079

■ 60.9002, 39.4968,
89.2079

■ 58.2249, 34.2866,
87.8806

■ 64.3384, 46.2303,
90.7916

■ 56.2488, 30.4754,
86.7874

■ 68.5883, 54.5880,
92.6469

■ 54.9052, 27.9286,
85.9064

■ 73.6999, 64.6684,
94.7909

■ 54.1120, 26.4824,
85.2103

■ 79.7177, 76.5607,
97.2383

53.7560, 25.8929,
84.7136

86.6831, 90.3478,
100.0030

90.4806, 97.7987,
101.7131

90.5709, 97.8349,
102.1889

90.6616, 97.8711,
102.6661

90.7525, 97.9075,
103.1449

Harmonies

Analogous

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



49.4896, 39.4968, 133.0725



60.9002, 39.4968, 89.2079



65.9507, 39.4968, 45.5972

Triad

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



60.9002, 39.4968, 89.2079



38.4349, 39.4968, 4.8588



20.4810, 39.4968, 82.2380

Complementary

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



60.9002, 39.4968, 89.2079



44.2784, 71.3363, 30.1767

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.



18.7470, 39.4968, 40.5136



60.9002, 39.4968, 89.2079



27.6885, 39.4968, 6.8773

Square

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



60.9002, 39.4968, 89.2079



51.3606, 39.4968, 7.6536



21.0793, 39.4968, 16.3651



26.4527, 39.4968, 127.7484

Rectangle

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



60.9002, 39.4968, 89.2079



64.3622, 39.4968, 25.6568



21.0793, 39.4968, 16.3651



19.4479, 39.4968, 66.8088

Sweetspot

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



60.9016, 39.4986, 89.2087



83.8921, 77.9184, 104.4588



31.3930, 24.2336, 90.2131



17.6606, 16.0933, 22.2382



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.



60.9016, 39.4986, 89.2087



63.2037, 37.2528, 95.3702



53.0544, 36.3597, 47.8862



17.1956, 16.7611, 20.7765



28.7004, 13.8236, 45.2579



2.5278, 1.2171, 4.0058

Inverse Universe

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



60.9016, 39.4986, 89.2087



63.2037, 37.2528, 95.3702



49.4707, 73.4132, 57.5191



17.1956, 16.7611, 20.7765



28.7004, 13.8236, 45.2579



2.5278, 1.2171, 4.0058

Previews

White Background



This preview shows how the XYZ color 60.9002, 39.4968, 89.2079 looks on a white background.

Color Contrast Check

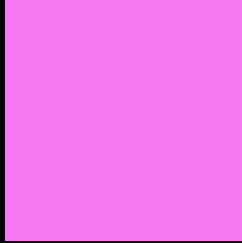
Large Text (above 18pt) WCAG AA × Fail

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 60.9002, 39.4968, 89.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

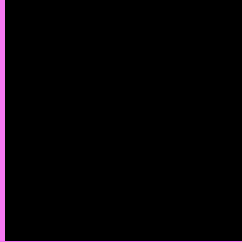
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.9002, 39.4968, 89.2079

Background



This preview shows how black text looks on a background with the XYZ color 60.9002, 39.4968, 89.2079.



This preview shows how white text looks on a background with the XYZ color 60.9002, 39.4968,

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

60.9002, 39.4968, 89.2079

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.8467, 39.8386, 84.1340



Tritanopia

49.6837, 39.3081, 35.1056

Trichromacy



Original Color

60.9002, 39.4968, 89.2079



Protanomaly

46.2915, 37.8070, 96.1244



Deuteranomaly

45.8674, 38.0530, 85.8164



Tritanomaly

52.9846, 38.9461, 51.1791

Monochromacy



Original Color

60.9002, 39.4968, 89.2079



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

45.1375, 39.0018, 58.5752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9002, 39.4968, 89.2079 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(246, 120, 243)` looks like.

```
.text, #text, p{  
    color:rgb(246, 120, 243)  
}
```

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(246, 120, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 120, 243) }
```

Border

The CSS property to change the border of an element to XYZ 60.9002, 39.4968, 89.2079 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(246, 120, 243) }
```


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

```
.border{ border-color:rgb(246, 120, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 120, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 120, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 120, 243);  
box-shadow:4px 4px 4px 4px rgb(246, 120,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9002, 39.4968, 89.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 120, 243) }
```

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

```
.background{ background-color: rgb(246,  
120, 243) }
```

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