

Converting Colors

XYZ(64.3715, 39.7293, 96.3930)

Have a look what the booklet for
XYZ(64.3715, 39.7293, 96.3930)
contains.

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Color

**XYZ(64.2379, 39.6874,
96.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	FE70FC
RGB	254, 112, 252
RGB Percent	100%, 44%, 99%
CMY	0.0039, 0.5608, 0.0118
CMYK	0.00, 0.56, 0.01, 0.00
HSL	301°, 99%, 72%
HSV	301°, 56%, 100%
XYZ	64.2379, 39.6874, 96.3702
YIQ	170.4180, 39.6920, 73.6440

Conversions

Conversions Part 2

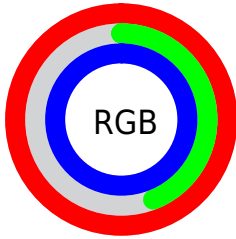
Format	Color
R_{YB}	254, 112, 252
Decimal	16675068
CIE _{Lab}	69.25, 71.35, -45.05
CIE _{LCh}	69, 84.378, 327.732
Yxy	39.6874, 0.3207, 0.1981
Android (android.graphics.Color)	4294865148 (0xFFFE70FC)
YUV	170.4180, 40.2199, 73.3014
Hunter-Lab	62.9979, 71.7670, -46.5995

Details

The XYZ color **64.2379, 39.6874, 96.3702** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.1629, 75.5449, 28.1231**, and the grayscale version is **38.2101, 40.2000, 43.7778**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **33.2823, 17.7771, 53.3069** is the 20% darker color. If you saturate the color by 10%, you get **61.7642, 34.8296, 95.2664**, and if you desaturate by 10%, it is **67.5048, 46.1293, 97.7396**.

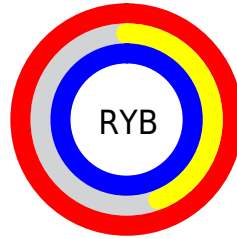
Distribution



Red (100%)

Green (44%)

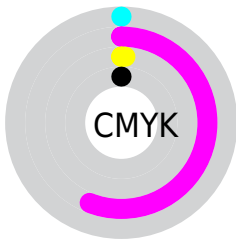
Blue (99%)



Red (100%)

Yellow (44%)

Blue (99%)

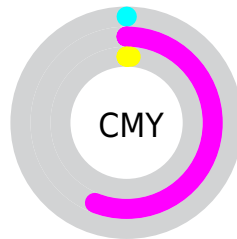


Cyan (0%)

Magenta (56%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2379, 39.6874, 96.3702 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 64.2379, 39.6874, 96.3702 by changing the saturation by 10% instead.


 64.2379, 39.6874,
96.3702


 64.2379, 39.6874,
96.3702


429.6369,
344.8042, 569.6383


 47.1058, 27.2949,
72.6727


 110.0253, 74.6873,
158.1681

 33.3276, 17.7948,
53.2182


 139.4113, 98.0634,
197.1055

 22.5380, 10.8028,
37.5881


 173.6126,
125.8696, 241.9601

 14.3715, 5.9344,
25.3638

212.9947,
158.4901, 293.1503

 8.4629, 2.8052,
16.1268

257.9228,
196.3095, 351.0947

 4.4469, 1.0309,
9.4586

308.7622,

 1.9579, 0.0000,

239.7120, 416.2118

4.9406

365.8785,
289.0821, 488.9202

■ 0.6102, 0.0000,
2.1543

■ 0.0000, 0.0000,
0.6478

■ 64.2379, 39.6874,
96.3702

■ 64.2379, 39.6874,
96.3702

■ 61.7642, 34.8296,
95.2664

■ 67.5048, 46.1293,
97.7396

■ 60.0109, 31.4137,
94.4029

■ 71.6210, 54.2707,
99.3924

■ 58.8997, 29.2816,
93.7539

■ 76.6426, 64.2226,
101.3474

■ 58.3313, 28.2349,
93.2864

■ 82.6195, 76.0850,
103.6215

■ 58.1953, 27.9998,
93.1273

■ 89.5981, 89.9507,
106.2299

94.5468, 99.7564,
108.1623

94.6043, 99.7794,
108.4647

94.6618, 99.8024,
108.7677

94.6837, 99.8111,
108.8829

Harmonies

Analogous

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



51.1524, 39.6874, 148.2344



64.2379, 39.6874, 96.3702



70.1023, 39.6874, 46.2262

Triad

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



64.2379, 39.6874, 96.3702



38.7597, 39.6874, 3.3491



19.0783, 39.6874, 87.9204

Complementary

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



64.2379, 39.6874, 96.3702



45.1629, 75.5449, 28.1231

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.



17.2576, 39.6874, 40.3334



64.2379, 39.6874, 96.3702



26.8753, 39.6874, 5.1417

Square

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



64.2379, 39.6874, 96.3702



53.3663, 39.6874, 5.8877



19.7387, 39.6874, 14.4128



25.4790, 39.6874, 141.6343

Rectangle

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



64.2379, 39.6874, 96.3702



68.2829, 39.6874, 24.2784



19.7387, 39.6874, 14.4128



17.9886, 39.6874, 70.0736

Sweetspot

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



64.2393, 39.6892, 96.3710



82.6479, 75.3529, 104.2815



30.3674, 22.1908, 96.4500



17.4184, 15.5892, 22.2177



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.



64.2393, 39.6892, 96.3710



62.0867, 34.6899, 96.0119



55.2162, 36.0799, 48.8558



18.7810, 18.2957, 22.7299



30.6858, 14.7636, 49.1235



2.9912, 1.4389, 4.8010

Inverse Universe

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



64.2393, 39.6892, 96.3710



62.0867, 34.6899, 96.0119



50.6729, 77.7489, 57.1382



18.7810, 18.2957, 22.7299



30.6858, 14.7636, 49.1235



2.9912, 1.4389, 4.8010

Previews

White Background



This preview shows how the XYZ color 64.2379, 39.6874, 96.3702 looks on a white background.

Color Contrast Check

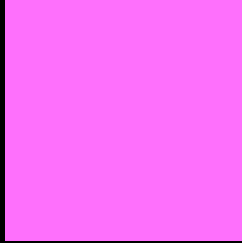
Large Text (above 18pt) WCAG AA × Fail

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 64.2379, 39.6874, 96.3702 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 64.2379, 39.6874, 96.3702

Background



This preview shows how black text looks on a background with the XYZ color 64.2379, 39.6874, 96.3702.



This preview shows how white text looks on a background with the XYZ color 64.2379, 39.6874,

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

64.2379, 39.6874, 96.3702

Protanopia

42.1852, 40.1758, 100.1390

Deuteranopia

41.0141, 40.0788, 89.5787



Tritanopia

51.2754, 39.5124, 33.3579

Trichromacy



Original Color

64.2379, 39.6874, 96.3702



Protanomaly

47.1455, 37.7265, 98.5630



Deuteranomaly

46.5159, 37.7787, 92.0291



Tritanomaly

54.7192, 38.8385, 51.0669

Monochromacy



Original Color

64.2379, 39.6874, 96.3702



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

45.2602, 38.0825, 59.6088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2379, 39.6874, 96.3702 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(254, 112, 252)` looks like.

```
.text, #text, p{  
    color:rgb(254, 112, 252)  
}
```

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(254, 112, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 112, 252) }
```

Border

The CSS property to change the border of an element to XYZ 64.2379, 39.6874, 96.3702 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(254, 112, 252) }
```


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

```
.border{ border-color:rgb(254, 112, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 112, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 112, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 112, 252);  
box-shadow:4px 4px 4px 4px rgb(254, 112,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2379, 39.6874, 96.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 112, 252) }
```

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

```
.background{ background-color: rgb(254,  
112, 252) }
```

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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