

Converting Colors

XYZ(69.6830, 50.0390,
100.5935)

Have a look what the booklet for
XYZ(69.6830, 50.0390, 100.5935)
contains.

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Color

**XYZ(69.8294, 50.1035,
100.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	FE96FF
RGB	254, 150, 255
RGB Percent	100%, 59%, 100%
CMY	0.0039, 0.4117, 0.0000
CMYK	0.00, 0.41, 0.00, 0.00
HSL	299°, 100%, 79%
HSV	299°, 41%, 100%
XYZ	69.8294, 50.1035, 100.5983
YIQ	193.0660, 28.2790, 54.7030

Conversions

Conversions Part 2

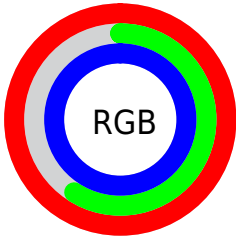
Format	Color
R _Y B	254, 150, 255
Decimal	16684799
CIE Lab	76.13, 54.04, -35.94
CIE LCh	76, 64.904, 326.372
Yxy	50.1035, 0.3166, 0.2272
Android (android.graphics.Color)	4294874879 (0xFFFE96FF)
YUV	193.0660, 30.5335, 53.4391
Hunter-Lab	70.7838, 52.2215, -34.7145

Details

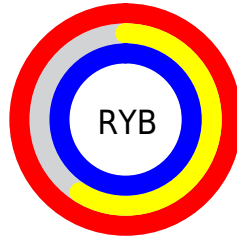
The XYZ color **69.8294, 50.1035, 100.5983** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.0287, 80.3019, 41.5088**, and the grayscale version is **50.5434, 53.1756, 57.9082**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **36.8816, 24.0451, 56.1234** is the 20% darker color. If you saturate the color by 10%, you get **66.1062, 42.7878, 99.3824**, and if you desaturate by 10%, it is **74.4411, 59.1941, 102.1099**.

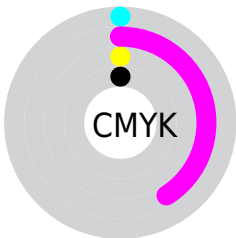
Distribution



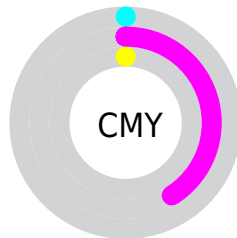
- Red (100%)
- Green (59%)
- Blue (100%)



- Red (100%)
- Yellow (59%)
- Blue (100%)



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





- Cyan (0%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8294, 50.1035, 100.5983 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 69.8294, 50.1035, 100.5983 by changing the saturation by 10% instead.


 69.8294, 50.1035,
100.5983

 69.8294, 50.1035,
100.5983


449.2265,
387.0706, 583.3722

 51.6666, 35.4956,
76.1806

 117.9930, 90.3282,
164.0382

 36.9626, 24.0449,
56.0731


 148.7245,
116.7138, 203.8975

 25.3520, 15.3669,
39.8571

184.3763,
147.7942, 249.7411

 16.4697, 9.0773,
27.1142

225.3137,
183.9537, 301.9875

 9.9501, 4.7917,
17.4258

271.9020,
225.5766, 361.0553

 5.4279, 2.1255,
10.3734

324.5067,

 2.5377, 0.6789,

273.0475, 427.3630

5.5384

383.4931,
326.7507, 501.3291

■ 0.9143, 0.0000,
2.5023

■ 0.0000, 0.0000,
0.8414

■ 69.8294, 50.1035,
100.5983

■ 69.8294, 50.1035,
100.5983

■ 66.1062, 42.7878,
99.3824

■ 74.4411, 59.1941,
102.1099

■ 63.2088, 37.1245,
98.4420

■ 79.9893, 70.1587,
103.9338

■ 61.0739, 32.9860,
97.7557

■ 86.5245, 83.0968,
106.0867

■ 59.6268, 30.2230,
97.2987

■ 94.0917, 98.0990,
108.5836

■ 58.7781, 28.6565, 95.0500, 100.0000,
97.0410 108.9000

■ 58.4036, 28.0231,
96.9385

Harmonies

Analogous

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



58.7648, 50.1035, 139.0727



69.8294, 50.1035, 100.5983



74.9318, 50.1035, 58.8958

Triad

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



69.8294, 50.1035, 100.5983



49.1146, 50.1035, 11.3319



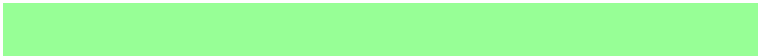
29.6163, 50.1035, 89.9753

Complementary

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



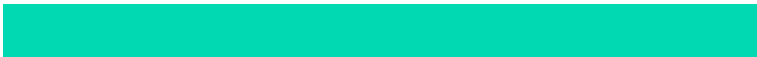
69.8294, 50.1035, 100.5983



54.0287, 80.3019, 41.5088

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.



27.9136, 50.1035, 50.4314



69.8294, 50.1035, 100.5983



37.9849, 50.1035, 13.8984

Square

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



69.8294, 50.1035, 100.5983



61.7582, 50.1035, 15.6691



30.7058, 50.1035, 25.2691



35.8262, 50.1035, 131.3251

Rectangle

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



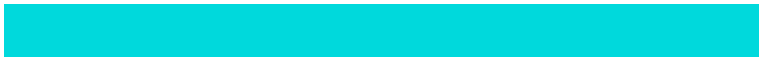
69.8294, 50.1035, 100.5983



73.7208, 50.1035, 37.7926



30.7058, 50.1035, 25.2691



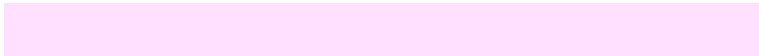
28.5487, 50.1035, 75.6575

Sweetspot

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



69.8309, 50.1057, 100.5986



85.9463, 81.9514, 105.8961



41.8173, 36.0818, 99.3682



18.2034, 17.1593, 22.6026



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.



69.8309, 50.1057, 100.5986



66.8436, 44.2339, 99.6227



63.0767, 47.4463, 63.1194



18.7746, 18.2911, 22.7909



30.5250, 14.6467, 50.6528



2.9774, 1.4288, 4.9321

Inverse Universe

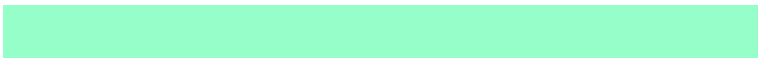
The Inverse Universe completely reimagines the original color for something new.



57.7335, 45.3090, 34.9825



53.3422, 38.8837, 26.2513



58.8523, 82.2100, 67.8724



18.0164, 17.9899, 18.7037



21.5588, 11.1128, 1.0609



2.1015, 1.0830, 0.1157

Previews

White Background



This preview shows how the XYZ color 69.8294, 50.1035, 100.5983 looks on a white background.

Color Contrast Check

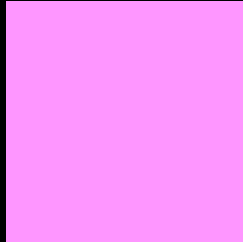
Large Text (above 18pt) WCAG AA × Fail

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 69.8294, 50.1035, 100.5983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

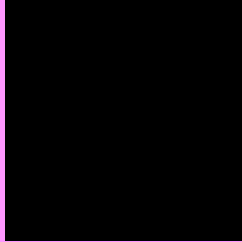
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8294, 50.1035, 100.5983

Background



This preview shows how black text looks on a background with the XYZ color 69.8294, 50.1035, 100.5983.



This preview shows how white text looks on a background with the XYZ color 69.8294, 50.1035,

100.5983.

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

69.8294, 50.1035, 100.5983

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.6814, 50.4217, 96.6310



Tritanopia

59.2636, 50.1252, 49.1994

Trichromacy



Original Color

69.8294, 50.1035, 100.5983



Protanomaly

56.5468, 49.2493, 101.1335



Deuteranomaly

56.5222, 49.0266, 97.7508

Tritanomaly

62.7188, 49.9512, 65.3674

Monochromacy



Original Color

69.8294, 50.1035, 100.5983



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

56.1411, 50.8492, 71.8217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8294, 50.1035, 100.5983 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, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 150, 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(254, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8294, 50.1035, 100.5983 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, 150, 255) }
```


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

```
.border{ border-color:rgb(254, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8294, 50.1035, 100.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 150, 255) }
```

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

```
.background{ background-color: rgb(254,  
150, 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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