

Converting Colors

XYZ(66.8045, 51.1065,
100.9513)

Have a look what the booklet for
XYZ(66.8045, 51.1065, 100.9513)
contains.

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Color

**XYZ(66.8964, 51.0624,
100.9379)**

Conversions

Conversions Part 1

Format	Color
Hex	F1A0FF
RGB	241, 160, 255
RGB Percent	95%, 63%, 100%
CMY	0.0549, 0.3725, 0.0000
CMYK	0.05, 0.37, 0.00, 0.00
HSL	291°, 100%, 81%
HSV	291°, 37%, 100%
XYZ	66.8964, 51.0624, 100.9379
YIQ	195.0490, 17.7810, 46.7170

Conversions

Conversions Part 2

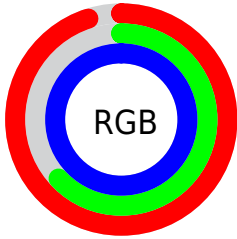
Format	Color
R _{YB}	241, 160, 255
Decimal	15835391
CIE _{Lab}	76.72, 45.12, -35.16
CIE _{LCh}	77, 57.197, 322.074
Yxy	51.0624, 0.3056, 0.2333
Android (android.graphics.Color)	4294025471 (0xFFFF1A0FF)
YUV	195.0490, 29.5558, 40.2990
Hunter-Lab	71.4580, 42.0539, -33.7295

Details

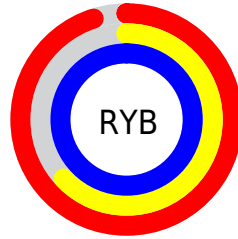
The XYZ color **66.8964, 51.0624, 100.9379** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.5620, 83.0573, 46.1526**, and the grayscale version is **51.7245, 54.4182, 59.2615**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **35.2179, 24.7830, 56.3535** is the 20% darker color. If you saturate the color by 10%, you get **61.6517, 42.4568, 99.5533**, and if you desaturate by 10%, it is **73.0772, 61.4990, 102.6266**.

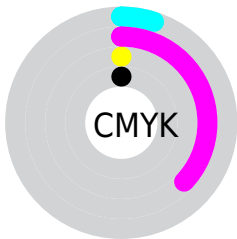
Distribution



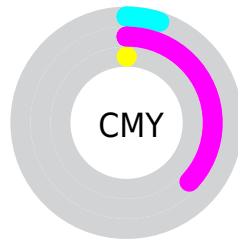
- Red (95%)
- Green (63%)
- Blue (100%)



- Red (95%)
- Yellow (63%)
- Blue (100%)



- Cyan (5%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8964, 51.0624, 100.9379 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 66.8964, 51.0624, 100.9379 by changing the saturation by 10% instead.


 66.8964, 51.0624,
100.9379


 66.8964, 51.0624,
100.9379


439.0142,
390.8062, 584.4678

 49.2708, 36.2583,
76.4628

 113.8226, 91.7470,
164.5086

 35.0498, 24.6337,
56.3032


 143.8539,
118.3963, 204.4412

 23.8679, 15.8044,
40.0404

178.7511,
149.7627, 250.3635

 15.3599, 9.3858,
27.2560

218.8797,
186.2307, 302.6939

 9.1603, 4.9937,
17.5315

264.6049,
228.1846, 361.8510

 4.9038, 2.2436,
10.4482

316.2922,

 2.2251, 0.7436,

276.0089, 428.2534

5.5876

374.3068,
330.0880, 502.3194

■ 0.7559, 0.0000,
2.5313

■ 0.0000, 0.0000,
0.8567

■ 66.8964, 51.0624,
100.9379

■ 66.8964, 51.0624,
100.9379

■ 61.6517, 42.4568,
99.5533

■ 73.0772, 61.4990,
102.6266

■ 57.2825, 35.5641,
98.4532

■ 80.2406, 73.8623,
104.6355

■ 53.7282, 30.2623,
97.6172

■ 88.4356, 88.2491,
106.9805

■ 50.9183, 26.4108,
97.0218

95.0500, 100.0000,
108.9000

■ 48.7699, 23.8438,
96.6396

■ 47.1760, 22.3479,
96.4349

■ 46.7914, 22.0367,
96.3951

Harmonies

Analogous

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



56.7934, 51.0624, 131.2677



66.8964, 51.0624, 100.9379



72.2366, 51.0624, 64.2399

Triad

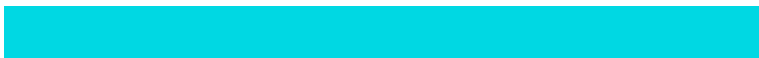
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8964, 51.0624, 100.9379



51.4637, 51.0624, 14.9617



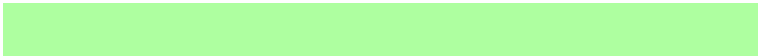
31.6704, 51.0624, 81.1776

Complementary

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



66.8964, 51.0624, 100.9379



59.5620, 83.0573, 46.1526

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.



30.6814, 51.0624, 47.7686



66.8964, 51.0624, 100.9379



41.1156, 51.0624, 16.6043

Square

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



66.8964, 51.0624, 100.9379



62.5011, 51.0624, 20.5590



33.8816, 51.0624, 26.3925



36.8189, 51.0624, 117.2109

Rectangle

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



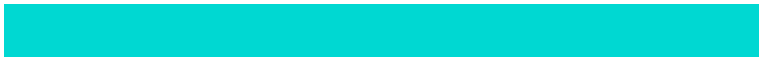
66.8964, 51.0624, 100.9379



71.8957, 51.0624, 44.0254



33.8816, 51.0624, 26.3925



30.8747, 51.0624, 69.0399

Sweetspot

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



66.8980, 51.0646, 100.9383



85.2410, 82.6153, 106.0614



47.7335, 45.0647, 100.7903



18.0056, 17.2622, 22.6329



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.



66.8980, 51.0646, 100.9383



62.7550, 44.2422, 99.8398



66.9633, 51.6641, 75.3758



18.5141, 18.1568, 22.7788



24.5497, 11.5663, 50.3732



2.4588, 1.1615, 4.9079

Inverse Universe

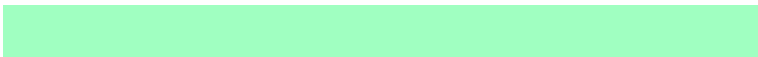
The Inverse Universe completely reimagines the original color for something new.



61.4521, 49.4596, 46.3540



56.7541, 42.5291, 37.1873



59.9122, 82.8557, 63.4355



18.1184, 18.0307, 19.2407



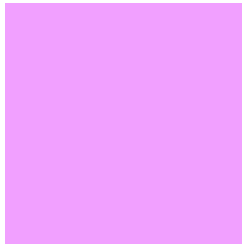
21.7606, 11.1935, 2.1237



2.1496, 1.1022, 0.3692

Previews

White Background



This preview shows how the XYZ color 66.8964, 51.0624, 100.9379 looks on a white background.

Color Contrast Check

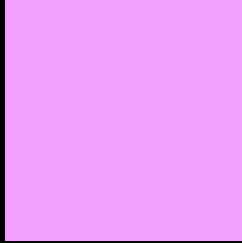
Large Text (above 18pt) WCAG AA × Fail

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 66.8964, 51.0624, 100.9379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

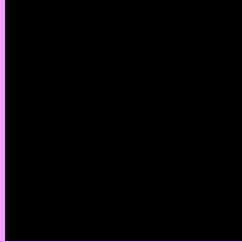
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8964, 51.0624, 100.9379

Background



This preview shows how black text looks on a background with the XYZ color 66.8964, 51.0624, 100.9379.



This preview shows how white text looks on a background with the XYZ color 66.8964, 51.0624,

100.9379.

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

66.8964, 51.0624, 100.9379

Protanopia

52.3954, 51.6215, 101.8101

Deuteranopia

52.7048, 51.5567, 97.6161



Tritanopia

57.3844, 51.0158, 53.8362

Trichromacy



Original Color

66.8964, 51.0624, 100.9379



Protanomaly

56.4761, 50.6629, 101.4100



Deuteranomaly

56.8460, 50.6147, 98.8690

Tritanomaly

60.3326, 50.7916, 68.9112

Monochromacy



Original Color

66.8964, 51.0624, 100.9379



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.4037, 52.4627, 72.7992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8964, 51.0624, 100.9379 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(241, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 160, 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(241, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.8964, 51.0624, 100.9379 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(241, 160, 255) }
```


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

```
.border{ border-color:rgb(241, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8964, 51.0624, 100.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 160, 255) }
```

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

```
.background{ background-color: rgb(241,  
160, 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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