

Converting Colors

XYZ(67.0771, 52.0584,
101.1207)

Have a look what the booklet for
XYZ(67.0771, 52.0584, 101.1207)
contains.

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Color

**XYZ(67.0824, 51.9397,
101.0975)**

Conversions

Conversions Part 1

Format	Color
Hex	F0A3FF
RGB	240, 163, 255
RGB Percent	94%, 64%, 100%
CMY	0.0588, 0.3608, 0.0000
CMYK	0.06, 0.36, 0.00, 0.00
HSL	290°, 100%, 82%
HSV	290°, 36%, 100%
XYZ	67.0824, 51.9397, 101.0975
YIQ	196.5110, 16.3600, 44.9360

Conversions

Conversions Part 2

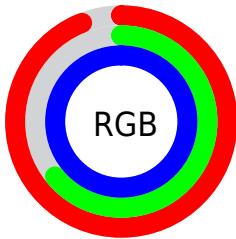
Format	Color
R _Y B	240, 163, 255
Decimal	15770623
CIE Lab	77.24, 43.25, -34.35
CIE LCh	77, 55.233, 321.547
Yxy	51.9397, 0.3048, 0.2360
Android (android.graphics.Color)	4293960703 (0xFFFF0A3FF)
YUV	196.5110, 28.8351, 38.1399
Hunter-Lab	72.0692, 40.0277, -32.7226

Details

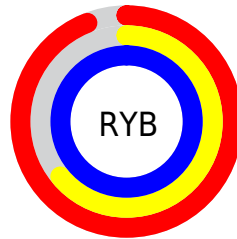
The XYZ color **67.0824, 51.9397, 101.0975** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.7322, 83.6299, 47.5941**, and the grayscale version is **52.6029, 55.3424, 60.2678**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **35.2974, 25.2964, 56.4484** is the 20% darker color. If you saturate the color by 10%, you get **61.6082, 43.0616, 99.6724**, and if you desaturate by 10%, it is **73.5049, 62.6643, 102.8290**.

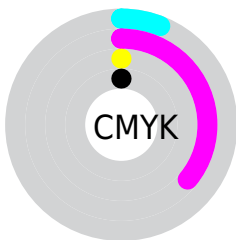
Distribution



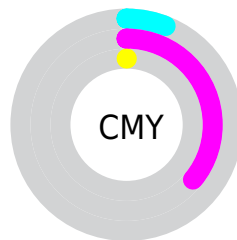
- Red (94%)
- Green (64%)
- Blue (100%)



- Red (94%)
- Yellow (64%)
- Blue (100%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0824, 51.9397, 101.0975 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 67.0824, 51.9397, 101.0975 by changing the saturation by 10% instead.


 67.0824, 51.9397,
101.0975


 67.0824, 51.9397,
101.0975


439.6659,
394.2038, 584.9824

 49.4225, 36.9570,
76.5954

 114.0876, 93.0423,
164.7296

 35.1707, 25.1742,
56.4113

 144.1637,
119.9310, 204.6967

 23.9615, 16.2069,
40.1266

179.1092,
151.5572, 250.6559

 15.4297, 9.6707,
27.3227

219.2895,
188.3052, 303.0258

 9.2098, 5.1812,
17.5812

265.0700,
230.5595, 362.2248

 4.9365, 2.3539,
10.4834

316.8160,

 2.2444, 0.8020,

278.7044, 428.6715

5.6108

374.8928,
333.1244, 502.7846

■ 0.7660, 0.0000,
2.5450

■ 0.0000, 0.0000,
0.8639

■ 67.0824, 51.9397,
101.0975

■ 67.0824, 51.9397,
101.0975

■ 61.6082, 43.0616,
99.6724

■ 73.5049, 62.6643,
102.8290

■ 57.0220, 35.9130,
98.5343

■ 80.9217, 75.3302,
104.8829

■ 53.2643, 30.3738,
97.6631

■ 89.3814, 90.0333,
107.2750

■ 50.2654, 26.3053,
97.0359

95.0500, 100.0000,
108.9000

■ 47.9443, 23.5455,
96.6255

■ 46.2000, 21.8931,
96.3985

■ 45.6146, 21.4301,
96.3400

Harmonies

Analogous

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



57.2255, 51.9397, 129.9383



67.0824, 51.9397, 101.0975



72.3591, 51.9397, 65.5620

Triad

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



67.0824, 51.9397, 101.0975



52.4198, 51.9397, 16.2717



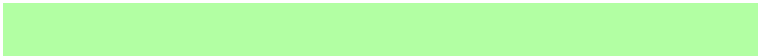
32.7534, 51.9397, 80.7752

Complementary

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



67.0824, 51.9397, 101.0975



60.7322, 83.6299, 47.5941

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.



31.8481, 51.9397, 48.4105



67.0824, 51.9397, 101.0975



42.2633, 51.9397, 17.8176

Square

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



67.0824, 51.9397, 101.0975



63.1364, 51.9397, 22.0866



35.0824, 51.9397, 27.4983



37.7612, 51.9397, 115.5825

Rectangle

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



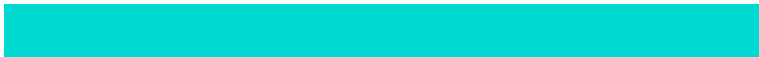
67.0824, 51.9397, 101.0975



72.1132, 51.9397, 45.6700



35.0824, 51.9397, 27.4983



31.9908, 51.9397, 69.0418

Sweetspot

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



67.0840, 51.9419, 101.0978



85.0829, 82.5338, 106.0540



49.1430, 46.9825, 101.0861



17.9676, 17.2427, 22.6311



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.



67.0840, 51.9419, 101.0978



63.1953, 45.6037, 100.0794



67.8382, 52.8563, 77.3863



18.4848, 18.1417, 22.7774



23.9427, 11.2534, 50.3448



2.4053, 1.1339, 4.9054

Inverse Universe

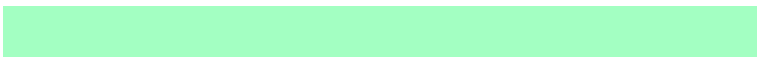
The Inverse Universe completely reimagines the original color for something new.



62.3744, 50.6708, 48.6142



58.0501, 44.2704, 40.2423



60.5659, 83.1873, 63.7096



18.1301, 18.0354, 19.3025



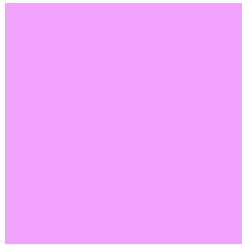
21.7985, 11.2087, 2.3234



2.1551, 1.1044, 0.3981

Previews

White Background



This preview shows how the XYZ color 67.0824, 51.9397, 101.0975 looks on a white background.

Color Contrast Check

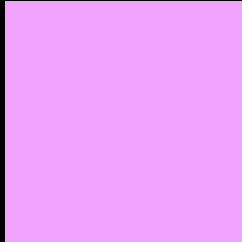
Large Text (above 18pt) WCAG AA × Fail

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 67.0824, 51.9397, 101.0975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

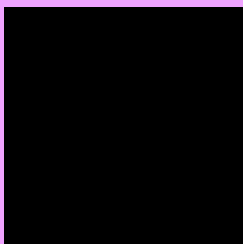
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.0824, 51.9397, 101.0975

Background



This preview shows how black text looks on a background with the XYZ color 67.0824, 51.9397, 101.0975.



This preview shows how white text looks on a background with the XYZ color 67.0824, 51.9397,

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

67.0824, 51.9397, 101.0975

Protanopia

53.2609, 52.3858, 101.9121

Deuteranopia

53.5986, 52.3335, 97.7189



Tritanopia

57.7746, 51.7573, 55.6603

Trichromacy



Original Color

67.0824, 51.9397, 101.0975



Protanomaly

57.3972, 51.7328, 101.5680



Deuteranomaly

57.7782, 51.6860, 99.0266

Tritanomaly

60.6322, 51.4733, 70.3580

Monochromacy



Original Color

67.0824, 51.9397, 101.0975



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.4444, 53.9060, 73.7069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0824, 51.9397, 101.0975 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(240, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 163, 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(240, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 163, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.0824, 51.9397, 101.0975 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(240, 163, 255) }
```


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

```
.border{ border-color:rgb(240, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 163,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0824, 51.9397, 101.0975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 163, 255) }
```

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

```
.background{ background-color: rgb(240,  
163, 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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