

Converting Colors

XYZ(67.8435, 48.3153, 91.4199)

Have a look what the booklet for
XYZ(67.8435, 48.3153, 91.4199)
contains.

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Color

**XYZ(67.8480, 48.3494,
91.3443)**

Conversions

Conversions Part 1

Format	Color
Hex	FF92F4
RGB	255, 146, 244
RGB Percent	100%, 57%, 96%
CMY	0.0000, 0.4274, 0.0431
CMYK	0.00, 0.43, 0.04, 0.00
HSL	306°, 100%, 79%
HSV	306°, 43%, 100%
XYZ	67.8480, 48.3494, 91.3443
YIQ	189.7630, 33.5060, 53.5860

Conversions

Conversions Part 2

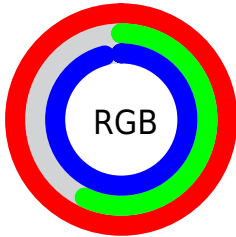
Format	Color
R _Y B	255, 146, 244
Decimal	16749300
CIE Lab	75.04, 54.42, -31.65
CIE LCh	75, 62.959, 329.817
Yxy	48.3494, 0.3269, 0.2330
Android (android.graphics.Color)	4294939380 (0xFFFF92F4)
YUV	189.7630, 26.7388, 57.2128
Hunter-Lab	69.5337, 52.4885, -29.2138

Details

The XYZ color **67.8480, 48.3494, 91.3443** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.7014, 80.0660, 44.5246**, and the grayscale version is **48.6462, 51.1795, 55.7345**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **35.5617, 22.9779, 49.5746** is the 20% darker color. If you saturate the color by 10%, you get **63.9586, 41.1914, 88.1340**, and if you desaturate by 10%, it is **72.6215, 57.2665, 94.8775**.

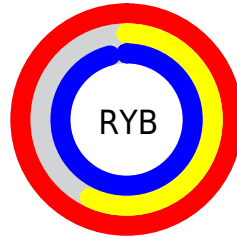
Distribution



Red (100%)

Green (57%)

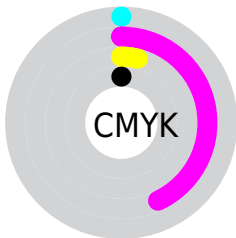
Blue (96%)



Red (100%)

Yellow (57%)

Blue (96%)

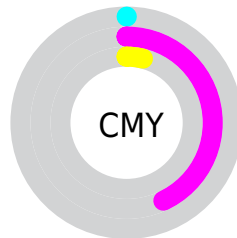


Cyan (0%)

Magenta (43%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8480, 48.3494, 91.3443 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 67.8480, 48.3494, 91.3443 by changing the saturation by 10% instead.


 67.8480, 48.3494,
91.3443


 67.8480, 48.3494,
91.3443


442.3425,
380.1754, 553.0767

 50.0473, 34.1037,
68.5162

 115.1778, 87.7244,
151.1561

 35.6689, 22.9732,
49.8485


 145.4376,
113.6225, 188.9768

 24.3475, 14.5738,
34.9227


180.5811,
144.1734, 232.6321

 15.7178, 8.5208,
23.3202

220.9738,
179.7616, 282.5406

 9.4142, 4.4300,
14.6226

266.9809,
220.7716, 339.1207

 5.0716, 1.9169,
8.4113

318.9678,

 2.3245, 0.5585,

267.5876, 402.7911

4.2677

377.2999,
320.5940, 473.9703

■ 0.8072, 0.0000,
1.7733

■ 0.0000, 0.0000,
0.4103

■ 67.8480, 48.3494,
91.3443

■ 67.8480, 48.3494,
91.3443

■ 63.9586, 41.1914,
88.1340

■ 72.6215, 57.2665,
94.8775

■ 60.8912, 35.6689,
85.2238

■ 78.3295, 68.0440,
98.7486

■ 58.5805, 31.6512,
82.5927

■ 85.0223, 80.7823,
102.9751

■ 56.9502, 28.9855,
80.2148

■ 92.7458, 95.5731,
107.5724

■ 55.9073, 27.4863,
78.0593

95.0500, 100.0000,
108.9000

■ 55.4201, 26.9320,
76.6014

Harmonies

Analogous

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



57.8531, 48.3494, 128.9452



67.8480, 48.3494, 91.3443



71.8105, 48.3494, 52.8464

Triad

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



67.8480, 48.3494, 91.3443



46.0252, 48.3494, 11.3099



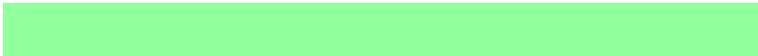
29.3120, 48.3494, 90.8403

Complementary

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



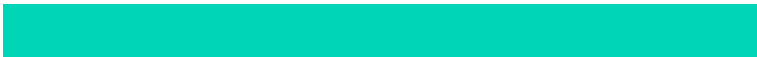
67.8480, 48.3494, 91.3443



53.7014, 80.0660, 44.5246

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.



27.1955, 48.3494, 52.4426



67.8480, 48.3494, 91.3443



35.8108, 48.3494, 14.5924

Square

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



67.8480, 48.3494, 91.3443



57.9956, 48.3494, 14.6784



29.3643, 48.3494, 26.7878



35.7075, 48.3494, 128.5787

Rectangle

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



67.8480, 48.3494, 91.3443



70.0612, 48.3494, 33.9570



29.3643, 48.3494, 26.7878



28.1292, 48.3494, 77.1718

Sweetspot

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



67.8491, 48.3513, 91.3453



84.8374, 80.4293, 102.8618



42.2160, 34.9382, 99.1265



17.8251, 16.5787, 21.8107



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.



67.8491, 48.3513, 91.3453



64.5757, 42.3179, 88.6714



60.7708, 45.5200, 54.0716



18.7090, 18.2669, 22.3507



28.9904, 14.0854, 40.1953



2.8446, 1.3802, 4.0289

Inverse Universe

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



67.8491, 48.3513, 91.3453



64.5757, 42.3179, 88.6714



59.4235, 82.3549, 74.6570



18.7090, 18.2669, 22.3507



28.9904, 14.0854, 40.1953



2.8446, 1.3802, 4.0289

Previews

White Background



This preview shows how the XYZ color 67.8480, 48.3494, 91.3443 looks on a white background.

Color Contrast Check

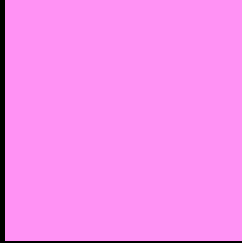
Large Text (above 18pt) WCAG AA × Fail

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 67.8480, 48.3494, 91.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

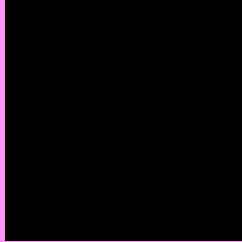
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8480, 48.3494, 91.3443

Background



This preview shows how black text looks on a background with the XYZ color 67.8480, 48.3494, 91.3443.



This preview shows how white text looks on a background with the XYZ color 67.8480, 48.3494,

91.3443.

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

67.8480, 48.3494, 91.3443

Protanopia

50.0877, 48.8735, 101.4014

Deuteranopia

49.8398, 48.7429, 87.6704



Tritanopia

58.2937, 48.0997, 45.7469

Trichromacy



Original Color

67.8480, 48.3494, 91.3443



Protanomaly

54.5523, 47.4502, 97.5504



Deuteranomaly

54.8180, 47.5046, 88.7182



Tritanomaly

61.2642, 48.0402, 60.0765

Monochromacy



Original Color

67.8480, 48.3494, 91.3443



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.5005, 49.2214, 67.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8480, 48.3494, 91.3443 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(255, 146, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 244)  
}
```

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(255, 146, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 244) }
```

Border

The CSS property to change the border of an element to XYZ 67.8480, 48.3494, 91.3443 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(255, 146, 244) }
```


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

```
.border{ border-color:rgb(255, 146, 244) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8480, 48.3494, 91.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 244) }
```

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

```
.background{ background-color: rgb(255,  
146, 244) }
```

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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