

Converting Colors

XYZ(67.1876, 49.0149,
100.5274)

Have a look what the booklet for
XYZ(67.1876, 49.0149, 100.5274)
contains.

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Color

**XYZ(67.1226, 48.9460,
100.5175)**

Conversions

Conversions Part 1

Format	Color
Hex	F697FF
RGB	246, 151, 255
RGB Percent	96%, 59%, 100%
CMY	0.0353, 0.4078, 0.0000
CMYK	0.04, 0.41, 0.00, 0.00
HSL	295°, 100%, 80%
HSV	295°, 41%, 100%
XYZ	67.1226, 48.9460, 100.5175
YIQ	191.2610, 23.2360, 52.4840

Conversions

Conversions Part 2

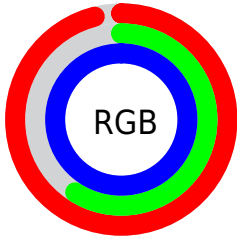
Format	Color
R _Y B	246, 151, 255
Decimal	16160767
CIE Lab	75.42, 51.22, -37.12
CIE LCh	75, 63.257, 324.064
Yxy	48.9460, 0.3099, 0.2260
Android (android.graphics.Color)	4294350847 (0xFFFF697FF)
YUV	191.2610, 31.4233, 48.0061
Hunter-Lab	69.9614, 48.8245, -36.2123

Details

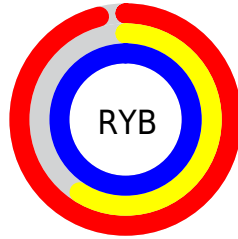
The XYZ color **67.1226, 48.9460, 100.5175** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.8443, 81.2285, 42.0158**, and the grayscale version is **49.4880, 52.0652, 56.6990**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **35.2068, 23.3180, 56.0713** is the 20% darker color. If you saturate the color by 10%, you get **62.6850, 41.2120, 99.2586**, and if you desaturate by 10%, it is **72.4599, 58.4637, 102.0733**.

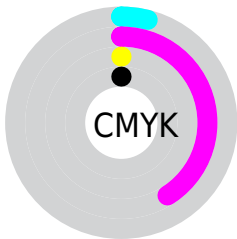
Distribution



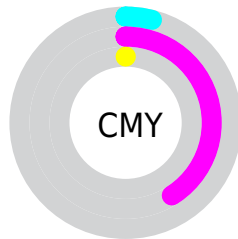
- Red (96%)
- Green (59%)
- Blue (100%)



- Red (96%)
- Yellow (59%)
- Blue (100%)



- Cyan (4%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1226, 48.9460, 100.5175 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 67.1226, 48.9460, 100.5175 by changing the saturation by 10% instead.


 67.1226, 48.9460,
100.5175


 67.1226, 48.9460,
100.5175


439.8067,
382.5297, 583.1114

 49.4553, 34.5766,
76.1135


 114.1449, 88.6112,
163.9262

 35.1968, 23.3369,
56.0184


 144.2306,
114.6759, 203.7681

 23.9818, 14.8425,
39.8136

179.1866,
145.4078, 249.5929

 15.4448, 8.7089,
27.0805

219.3781,
181.1914, 301.8193

 9.2205, 4.5518,
17.4007

265.1705,
222.4109, 360.8658

 4.9435, 1.9868,
10.3556

316.9291,

 2.2486, 0.5998,

269.4509, 427.1510

5.5267

375.0194,
322.6957, 501.0933

■ 0.7682, 0.0000,
2.4954

■ 0.0000, 0.0000,
0.8377

■ 67.1226, 48.9460,
100.5175

■ 67.1226, 48.9460,
100.5175

■ 62.6850, 41.2120,
99.2586

■ 72.4599, 58.4637,
102.0733

■ 59.0847, 35.1400,
98.2763

■ 78.7449, 69.8642,
103.9426

■ 56.2585, 30.6027,
97.5495

■ 86.0277, 83.2466,
106.1418

■ 54.1324, 27.4519,
97.0534

■ 94.3535, 98.7012,
108.6860

■ 52.6175, 25.5101, 95.0500, 100.0000,
96.7584 108.9000

■ 51.6333, 24.5328,
96.6217

Harmonies

Analogous

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



56.2687, 48.9460, 135.9762



67.1226, 48.9460, 100.5175



72.5542, 48.9460, 60.2086

Triad

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



67.1226, 48.9460, 100.5175



48.8773, 48.9460, 11.5585



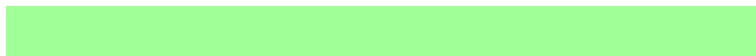
28.9162, 48.9460, 83.9738

Complementary

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



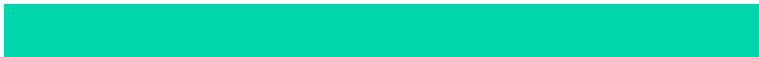
67.1226, 48.9460, 100.5175



55.8443, 81.2285, 42.0158

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.



27.6058, 48.9460, 46.9299



67.1226, 48.9460, 100.5175



37.9708, 48.9460, 13.5522

Square

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



67.1226, 48.9460, 100.5175



60.9484, 48.9460, 16.3939



30.6367, 48.9460, 23.8096



34.5727, 48.9460, 123.9589

Rectangle

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



67.1226, 48.9460, 100.5175



71.8151, 48.9460, 39.1721



30.6367, 48.9460, 23.8096



27.9970, 48.9460, 70.4572

Sweetspot

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



67.1241, 48.9481, 100.5178



85.0859, 81.5079, 105.8558



43.6292, 39.4313, 99.9192



17.9993, 17.0541, 22.5931



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.



67.1241, 48.9481, 100.5178



63.4130, 42.4654, 99.4622



64.3688, 48.2195, 69.1334



18.6285, 18.2157, 22.7841



27.0439, 12.8521, 50.4899



2.6769, 1.2739, 4.9181

Inverse Universe

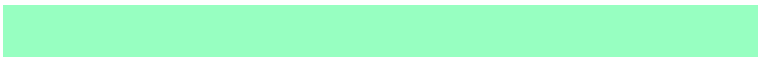
The Inverse Universe completely reimagines the original color for something new.



58.6529, 45.9331, 39.0340



54.0267, 39.1575, 29.8559



58.1049, 81.9324, 62.9724



18.0732, 18.0126, 19.0025



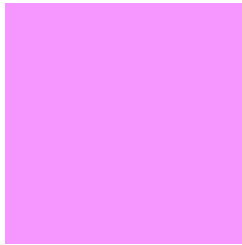
21.6465, 11.1479, 1.5228



2.1284, 1.0937, 0.2573

Previews

White Background



This preview shows how the XYZ color 67.1226, 48.9460, 100.5175 looks on a white background.

Color Contrast Check

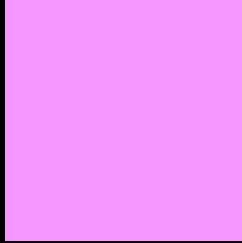
Large Text (above 18pt) WCAG AA × Fail

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 67.1226, 48.9460, 100.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

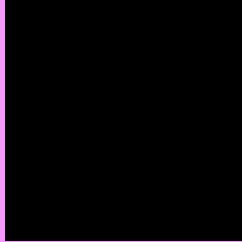
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1226, 48.9460, 100.5175

Background



This preview shows how black text looks on a background with the XYZ color 67.1226, 48.9460, 100.5175.



This preview shows how white text looks on a background with the XYZ color 67.1226, 48.9460,

100.5175.

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

67.1226, 48.9460, 100.5175

Protanopia

50.5003, 49.3935, 101.4800

Deuteranopia

50.3946, 49.1415, 96.4517



Tritanopia

56.6490, 48.7656, 49.6070

Trichromacy



Original Color

67.1226, 48.9460, 100.5175



Protanomaly

55.0507, 48.1944, 101.0087



Deuteranomaly

55.0015, 47.9612, 97.6253

Tritanomaly

59.9425, 48.5200, 65.2375

Monochromacy



Original Color

67.1226, 48.9460, 100.5175



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.5269, 49.7546, 70.3480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1226, 48.9460, 100.5175 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(246, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 151, 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(246, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.1226, 48.9460, 100.5175 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(246, 151, 255) }
```


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

```
.border{ border-color:rgb(246, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 151,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1226, 48.9460, 100.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 151, 255) }
```

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

```
.background{ background-color: rgb(246,  
151, 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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