

Converting Colors

XYZ(71.4687, 48.3331, 97.8637)

Have a look what the booklet for
XYZ(71.4687, 48.3331, 97.8637)
contains.

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Color

**XYZ(67.8992, 46.4652,
97.4855)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8AFC
RGB	255, 138, 252
RGB Percent	100%, 54%, 99%
CMY	0.0000, 0.4588, 0.0118
CMYK	0.00, 0.46, 0.01, 0.00
HSL	302°, 100%, 77%
HSV	302°, 46%, 100%
XYZ	67.8992, 46.4652, 97.4855
YIQ	185.9790, 33.1380, 60.2580

Conversions

Conversions Part 2

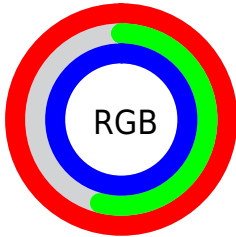
Format	Color
R_{YB}	255, 138, 252
Decimal	16747260
CIE _{Lab}	73.85, 59.70, -37.86
CIE _{LCh}	74, 70.692, 327.622
Yxy	46.4652, 0.3205, 0.2193
Android (android.graphics.Color)	4294937340 (0xFFFF8AFC)
YUV	185.9790, 32.5484, 60.5314
Hunter-Lab	68.1654, 58.5135, -37.0768

Details

The XYZ color **67.8992, 46.4652, 97.4855** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.0503, 78.8470, 37.7296**, and the grayscale version is **46.4722, 48.8923, 53.2437**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **35.7085, 21.8624, 53.9676** is the 20% darker color. If you saturate the color by 10%, you get **64.5575, 39.9472, 95.8620**, and if you desaturate by 10%, it is **72.1018, 54.7042, 99.3990**.

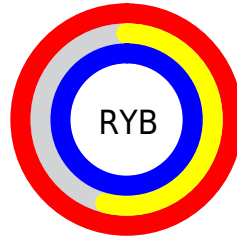
Distribution



Red (100%)

Green (54%)

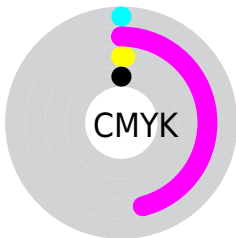
Blue (99%)



Red (100%)

Yellow (54%)

Blue (99%)

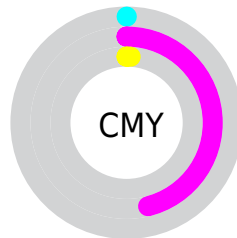


Cyan (0%)

Magenta (46%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8992, 46.4652, 97.4855 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 67.8992, 46.4652, 97.4855 by changing the saturation by 10% instead.


 67.8992, 46.4652,
97.4855


 67.8992, 46.4652,
97.4855


442.5211,
372.6758, 573.2781


 50.0891, 32.6131,
73.5971

 115.2506, 84.9148,
159.7190

 35.7023, 21.8302,
53.9696


 145.5227,
110.2810, 198.9011

 24.3734, 13.7322,
38.1843


 180.6794,
140.2541, 244.0183

 15.7371, 7.9346,
25.8228

221.0862,
175.2184, 295.4890

 9.4280, 4.0532,
16.4666

267.1085,
215.5583, 353.7318

 5.0807, 1.7033,
9.6970

319.1114,

 2.3299, 0.4258,

261.6583, 419.1653

5.0956

377.4605,
313.9026, 492.2078

■ 0.8099, 0.0000,
2.2437

■ 0.0000, 0.0000,
0.6994

■ 67.8992, 46.4652,
97.4855

■ 67.8992, 46.4652,
97.4855

■ 64.5575, 39.9472,
95.8620

■ 72.1018, 54.7042,
99.3990

■ 62.0129, 35.0230,
94.5053

■ 77.2176, 64.7692,
101.6180

■ 60.1974, 31.5564,
93.3934

■ 83.2981, 76.7629,
104.1604

■ 59.0302, 29.3858,
92.4993

■ 90.3900, 90.7789,
107.0417

■ 58.4112, 28.3110, 95.0500, 100.0000,
91.7898 108.9000

■ 58.2552, 28.0661,
91.5309

Harmonies

Analogous

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



56.3525, 46.4652, 140.1197



67.8992, 46.4652, 97.4855



73.0027, 46.4652, 53.5211

Triad

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



67.8992, 46.4652, 97.4855



45.1748, 46.4652, 8.1470



26.0143, 46.4652, 89.9797

Complementary

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



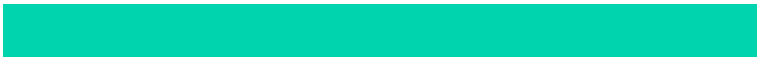
67.8992, 46.4652, 97.4855



51.0503, 78.8470, 37.7296

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.



24.1390, 46.4652, 47.7731



67.8992, 46.4652, 97.4855



33.8730, 46.4652, 10.6929

Square

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



67.8992, 46.4652, 97.4855



58.4219, 46.4652, 11.7453



26.7258, 46.4652, 21.8278



32.4375, 46.4652, 134.5285

Rectangle

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



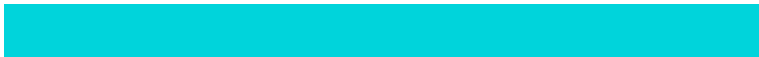
67.8992, 46.4652, 97.4855



71.4562, 46.4652, 32.3875



26.7258, 46.4652, 21.8278



24.8914, 46.4652, 74.5918

Sweetspot

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



67.9001, 46.4669, 97.4864



84.5528, 79.2409, 104.6758



37.9471, 30.9702, 98.5856



17.7902, 16.3534, 22.2785



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.



67.9001, 46.4669, 97.4864



64.8187, 40.4551, 95.9939



60.1292, 43.3586, 56.5651



18.7714, 18.2919, 22.6792



30.4487, 14.6688, 47.8747



2.9708, 1.4307, 4.6937

Inverse Universe

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



67.9001, 46.4669, 97.4864



64.8187, 40.4551, 95.9939



56.4876, 81.0219, 66.3619



18.7714, 18.2919, 22.6792



30.4487, 14.6688, 47.8747



2.9708, 1.4307, 4.6937

Previews

White Background



This preview shows how the XYZ color 67.8992, 46.4652, 97.4855 looks on a white background.

Color Contrast Check

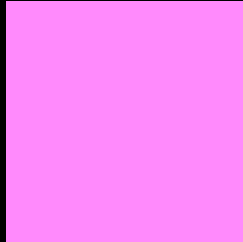
Large Text (above 18pt) WCAG AA × Fail

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 67.8992, 46.4652, 97.4855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

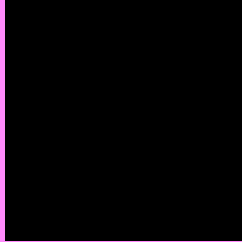
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8992, 46.4652, 97.4855

Background



This preview shows how black text looks on a background with the XYZ color 67.8992, 46.4652, 97.4855.



This preview shows how white text looks on a background with the XYZ color 67.8992, 46.4652,

97.4855.

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

67.8992, 46.4652, 97.4855

Protanopia

48.2759, 47.0306, 101.1411

Deuteranopia

47.9114, 46.7253, 92.8799



Tritanopia

56.8746, 46.3910, 43.4929

Trichromacy



Original Color

67.8992, 46.4652, 97.4855



Protanomaly

53.3368, 45.4035, 99.7185



Deuteranomaly

53.2447, 45.1985, 94.7248



Tritanomaly

60.2821, 46.0760, 59.7492

Monochromacy



Original Color

67.8992, 46.4652, 97.4855



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

52.6848, 46.8780, 67.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8992, 46.4652, 97.4855 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, 138, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 252)  
}
```

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, 138, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 252) }
```

Border

The CSS property to change the border of an element to XYZ 67.8992, 46.4652, 97.4855 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, 138, 252) }
```


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

```
.border{ border-color:rgb(255, 138, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8992, 46.4652, 97.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 252) }
```

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

```
.background{ background-color: rgb(255,  
138, 252) }
```

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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