

Converting Colors

XYZ(67.9720, 47.0163, 96.2601)

Have a look what the booklet for
XYZ(67.9720, 47.0163, 96.2601)
contains.

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Color

**XYZ(67.8734, 46.9183,
95.9213)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CFA
RGB	255, 140, 250
RGB Percent	100%, 55%, 98%
CMY	0.0000, 0.4510, 0.0196
CMYK	0.00, 0.45, 0.02, 0.00
HSL	303°, 100%, 77%
HSV	303°, 45%, 100%
XYZ	67.8734, 46.9183, 95.9213
YIQ	186.9250, 33.2300, 58.5900

Conversions

Conversions Part 2

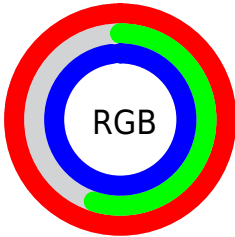
Format	Color
R _Y B	255, 140, 250
Decimal	16747770
CIE Lab	74.14, 58.39, -36.32
CIE LCh	74, 68.763, 328.120
Yxy	46.9183, 0.3221, 0.2227
Android (android.graphics.Color)	4294937850 (0xFFFF8CFA)
YUV	186.9250, 31.0960, 59.7018
Hunter-Lab	68.4969, 57.0055, -35.0803

Details

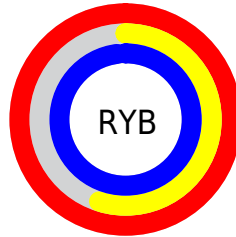
The XYZ color **67.8734, 46.9183, 95.9213** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.6875, 79.1405, 39.3416**, and the grayscale version is **47.0103, 49.4585, 53.8603**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **35.6391, 22.0830, 52.8361** is the 20% darker color. If you saturate the color by 10%, you get **64.3966, 40.2419, 93.9078**, and if you desaturate by 10%, it is **72.2164, 55.3251, 98.2298**.

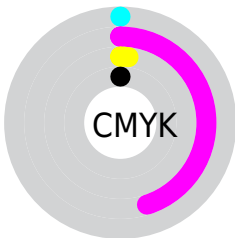
Distribution



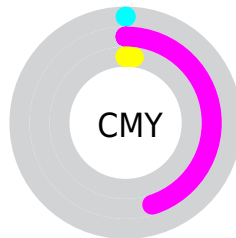
- Red (100%)
- Green (55%)
- Blue (98%)



- Red (100%)
- Yellow (55%)
- Blue (98%)



- Cyan (0%)
- Magenta (45%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8734, 46.9183, 95.9213 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 67.8734, 46.9183, 95.9213 by changing the saturation by 10% instead.


 67.8734, 46.9183,
95.9213


 67.8734, 46.9183,
95.9213


442.4311,
374.4883, 568.1697

 50.0680, 32.9711,
72.3009

 115.2139, 85.5917,
157.5433

 35.6855, 22.1043,
52.9162


 145.4798,
111.0866, 196.3820

 24.3604, 13.9335,
37.3486


180.6299,
141.1995, 241.1305

 15.7273, 8.0745,
25.1796

221.0296,
176.3149, 292.2074

 9.4210, 4.1426,
15.9907

267.0442,
216.8170, 350.0313

 5.0761, 1.7537,
9.3633

319.0390,

 2.3272, 0.4580,

263.0904, 415.0206

4.8788

377.3796,
315.5194, 487.5939

■ 0.8085, 0.0000,
2.1189

■ 0.0000, 0.0000,
0.6270

■ 67.8734, 46.9183,
95.9213

■ 67.8734, 46.9183,
95.9213

■ 64.3966, 40.2419,
93.9078

■ 72.2164, 55.3251,
98.2298

■ 61.7226, 35.1697,
92.1663

■ 77.4774, 65.5664,
100.8487

■ 59.7841, 31.5667,
90.6750

■ 83.7074, 77.7441,
103.7957

■ 58.5014, 29.2738,
89.4074

■ 90.9531, 91.9515,
107.0863

■ 57.7765, 28.0949,
88.3306

95.0500, 100.0000,
108.9000

■ 57.5561, 27.7864,
87.8495

Harmonies

Analogous

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



56.7108, 46.9183, 137.2676



67.8734, 46.9183, 95.9213



72.6922, 46.9183, 53.3435

Triad

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



67.8734, 46.9183, 95.9213



45.3759, 46.9183, 8.8651



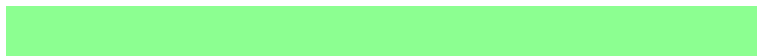
26.8017, 46.9183, 90.1746

Complementary

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



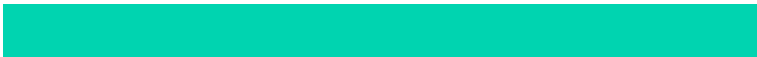
67.8734, 46.9183, 95.9213



51.6875, 79.1405, 39.3416

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.



24.8688, 46.9183, 48.8932



67.8734, 46.9183, 95.9213



34.3398, 46.9183, 11.5821

Square

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



67.8734, 46.9183, 95.9213



58.3050, 46.9183, 12.4292



27.3588, 46.9183, 22.9892



33.2217, 46.9183, 133.0120

Rectangle

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



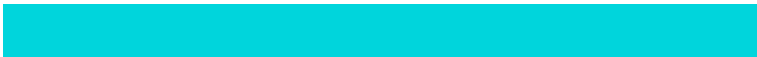
67.8734, 46.9183, 95.9213



71.0953, 46.9183, 32.7656



27.3588, 46.9183, 22.9892



25.6640, 46.9183, 75.2106

Sweetspot

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



67.8744, 46.9201, 95.9223



84.4510, 79.2002, 104.1392



38.9025, 31.8928, 98.7133



17.7651, 16.3433, 22.1461



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.



67.8744, 46.9201, 95.9223



64.7373, 40.8930, 94.1148



60.3195, 43.8982, 56.1388



18.7565, 18.2859, 22.6011



30.0893, 14.5250, 45.9824



2.9399, 1.4183, 4.5307

Inverse Universe

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



67.8744, 46.9201, 95.9223



64.7373, 40.8930, 94.1148



57.1585, 81.3289, 68.1514



18.7565, 18.2859, 22.6011



30.0893, 14.5250, 45.9824



2.9399, 1.4183, 4.5307

Previews

White Background



This preview shows how the XYZ color 67.8734, 46.9183, 95.9213 looks on a white background.

Color Contrast Check

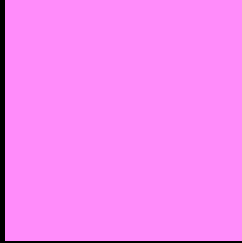
Large Text (above 18pt) WCAG AA × Fail

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 67.8734, 46.9183, 95.9213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

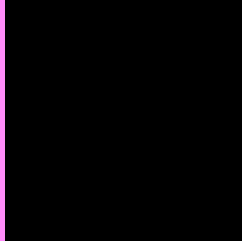
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8734, 46.9183, 95.9213

Background



This preview shows how black text looks on a background with the XYZ color 67.8734, 46.9183, 95.9213.



This preview shows how white text looks on a background with the XYZ color 67.8734, 46.9183,

95.9213.

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

67.8734, 46.9183, 95.9213

Protanopia

48.6693, 47.2334, 101.1596

Deuteranopia

48.4353, 47.3291, 91.3766



Tritanopia

57.1387, 46.7685, 44.0459

Trichromacy



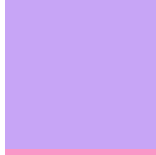
Original Color

67.8734, 46.9183, 95.9213



Protanomaly

53.4329, 45.4714, 98.8892



Deuteranomaly

53.6429, 45.7062, 93.1837



Tritanomaly

60.4423, 46.3965, 59.8026

Monochromacy



Original Color

67.8734, 46.9183, 95.9213



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

53.1590, 47.3996, 67.3200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8734, 46.9183, 95.9213 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, 140, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 250)  
}
```

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, 140, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 250) }
```

Border

The CSS property to change the border of an element to XYZ 67.8734, 46.9183, 95.9213 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, 140, 250) }
```


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

```
.border{ border-color:rgb(255, 140, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8734, 46.9183, 95.9213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 250) }
```

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

```
.background{ background-color: rgb(255,  
140, 250) }
```

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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