

Converting Colors

XYZ(65.6954, 45.0659, 99.8438)

Have a look what the booklet for
XYZ(65.6954, 45.0659, 99.8438)
contains.

XYZ(65.7071, 45.0678, 99.8436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.7071, 45.0678,
99.8436)**

Conversions

Conversions Part 1

Format	Color
Hex	F889FF
RGB	248, 137, 255
RGB Percent	97%, 54%, 100%
CMY	0.0274, 0.4627, 0.0000
CMYK	0.03, 0.46, 0.00, 0.00
HSL	296°, 100%, 77%
HSV	296°, 46%, 100%
XYZ	65.7071, 45.0678, 99.8436
YIQ	183.6410, 28.2780, 60.2300

Conversions

Conversions Part 2

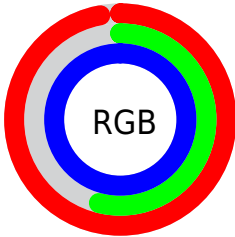
Format	Color
R _Y B	248, 137, 255
Decimal	16288255
CIE Lab	72.94, 58.76, -40.97
CIE LCh	73, 71.631, 325.117
Yxy	45.0678, 0.3120, 0.2140
Android (android.graphics.Color)	4294478335 (0xFFFF889FF)
YUV	183.6410, 35.1800, 56.4428
Hunter-Lab	67.1326, 57.2279, -41.1869

Details

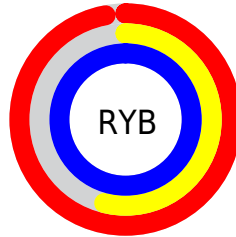
The XYZ color **65.7071, 45.0678, 99.8436** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.7780, 79.2559, 36.2380**, and the grayscale version is **45.1650, 47.5171, 51.7461**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **34.1966, 20.9306, 55.6637** is the 20% darker color. If you saturate the color by 10%, you get **61.9677, 38.3810, 98.7500**, and if you desaturate by 10%, it is **70.3101, 53.4735, 101.2234**.

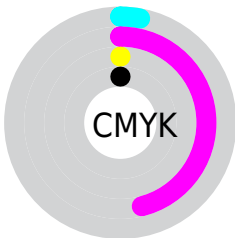
Distribution



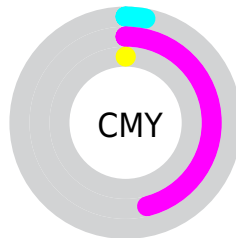
- Red (97%)
- Green (54%)
- Blue (100%)



- Red (97%)
- Yellow (54%)
- Blue (100%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7071, 45.0678, 99.8436 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 65.7071, 45.0678, 99.8436 by changing the saturation by 10% instead.


 65.7071, 45.0678,
99.8436


 65.7071, 45.0678,
99.8436


434.8338,
367.0481, 580.9335

 48.3015, 31.5108,
75.5538


 112.1259, 82.8221,
162.9922

 34.2780, 20.9881,
55.5622


 141.8698,
107.7883, 202.6881

 23.2711, 13.1153,
39.4504


 176.4572,
137.3263, 248.3565

 14.9156, 7.5080,
26.7998

216.2534,
171.8206, 300.4158

 8.8461, 3.7818,
17.1918

261.6238,
211.6555, 359.2846

 4.6972, 1.5523,
10.2079

312.9338,

 2.1037, 0.3251,

257.2155, 425.3814

5.4296

370.5487,
308.8849, 499.1249

■ 0.6912, 0.0000,
2.4384

■ 0.0000, 0.0000,
0.8072

■ 65.7071, 45.0678,
99.8436

■ 65.7071, 45.0678,
99.8436

■ 61.9677, 38.3810,
98.7500

■ 70.3101, 53.4735,
101.2234

■ 59.0264, 33.2848,
97.9213

■ 75.8277, 63.7030,
102.9071

■ 56.8152, 29.6424,
97.3348

■ 82.3120, 75.8595,
104.9118

■ 55.2528, 27.2912,
96.9633

■ 89.8100, 90.0368,
107.2531

■ 54.2379, 26.0287,
96.7731

95.0500, 100.0000,
108.9000

■ 53.9432, 25.7236,
96.7298

Harmonies

Analogous

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



53.8579, 45.0678, 141.3885



65.7071, 45.0678, 99.8436



71.4916, 45.0678, 55.1607

Triad

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



65.7071, 45.0678, 99.8436



44.9122, 45.0678, 7.4955



24.5648, 45.0678, 84.4325

Complementary

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



65.7071, 45.0678, 99.8436



51.7780, 79.2559, 36.2380

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.



23.0883, 45.0678, 43.4472



65.7071, 45.0678, 99.8436



33.4301, 45.0678, 9.4280

Square

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



65.7071, 45.0678, 99.8436



58.0881, 45.0678, 11.5145



26.0028, 45.0678, 19.3132



30.5181, 45.0678, 129.8638

Rectangle

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



65.7071, 45.0678, 99.8436



70.4502, 45.0678, 33.2328



26.0028, 45.0678, 19.3132



23.5844, 45.0678, 69.2794

Sweetspot

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



65.7085, 45.0697, 99.8438



83.9252, 78.9003, 105.4137



38.4733, 32.7505, 98.9015



17.6353, 16.2694, 22.4608



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.



65.7085, 45.0697, 99.8438



62.0587, 38.5415, 98.7761



61.0699, 43.5063, 62.2233



18.6800, 18.2423, 22.7865



28.2323, 13.4648, 50.5455



2.7799, 1.3270, 4.9229

Inverse Universe

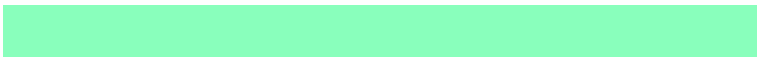
The Inverse Universe completely reimagines the original color for something new.



55.2208, 41.1667, 31.4226



50.4872, 34.2649, 21.9358



55.1693, 80.4756, 60.2798



18.0530, 18.0045, 18.8965



21.6112, 11.1338, 1.3371



2.1188, 1.0899, 0.2073

Previews

White Background



This preview shows how the XYZ color 65.7071, 45.0678, 99.8436 looks on a white background.

Color Contrast Check

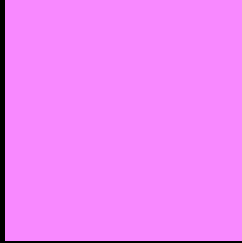
Large Text (above 18pt) WCAG AA × Fail

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 65.7071, 45.0678, 99.8436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

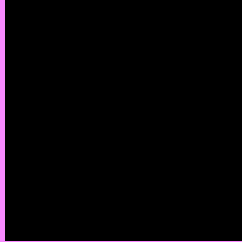
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7071, 45.0678, 99.8436

Background



This preview shows how black text looks on a background with the XYZ color 65.7071, 45.0678, 99.8436.



This preview shows how white text looks on a background with the XYZ color 65.7071, 45.0678,

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

65.7071, 45.0678, 99.8436

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.5700, 45.3897, 95.1135



Tritanopia

54.1435, 44.9830, 43.3650

Trichromacy



Original Color

65.7071, 45.0678, 99.8436



Protanomaly

51.7094, 43.7520, 100.3273



Deuteranomaly

51.5681, 43.7528, 96.9940

Tritanomaly

57.6073, 44.6836, 60.2321

Monochromacy



Original Color

65.7071, 45.0678, 99.8436



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.1837, 45.5560, 67.0683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7071, 45.0678, 99.8436 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(248, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 137, 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(248, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7071, 45.0678, 99.8436 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(248, 137, 255) }
```


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

```
.border{ border-color:rgb(248, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7071, 45.0678, 99.8436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 137, 255) }
```

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

```
.background{ background-color: rgb(248,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor