

Converting Colors

XYZ(69.5733, 46.6793,
116.9509)

Have a look what the booklet for
XYZ(69.5733, 46.6793, 116.9509)
contains.

XYZ(66.4200, 45.4353, 99.8769)	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(66.4200, 45.4353,
99.8769)**

Conversions

Conversions Part 1

Format	Color
Hex	FA89FF
RGB	250, 137, 255
RGB Percent	98%, 54%, 100%
CMY	0.0196, 0.4627, 0.0000
CMYK	0.02, 0.46, 0.00, 0.00
HSL	297°, 100%, 77%
HSV	297°, 46%, 100%
XYZ	66.4200, 45.4353, 99.8769
YIQ	184.2390, 29.4700, 60.6540

Conversions

Conversions Part 2

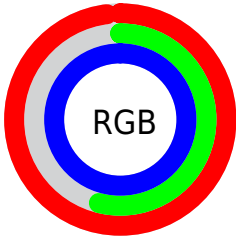
Format	Color
R_{YB}	250, 137, 255
Decimal	16419327
CIE _{Lab}	73.18, 59.31, -40.57
CIE _{LCh}	73, 71.863, 325.627
Yxy	45.4353, 0.3137, 0.2146
Android (android.graphics.Color)	4294609407 (0xFFFA89FF)
YUV	184.2390, 34.8852, 57.6724
Hunter-Lab	67.4057, 57.9297, -40.6676

Details

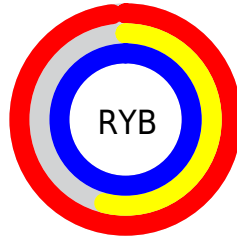
The XYZ color **66.4200, 45.4353, 99.8769** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.4318, 79.0774, 36.2218**, and the grayscale version is **45.4953, 47.8646, 52.1245**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **34.6962, 21.1882, 55.6871** is the 20% darker color. If you saturate the color by 10%, you get **62.8288, 38.8249, 98.7903**, and if you desaturate by 10%, it is **70.8728, 53.7636, 101.2498**.

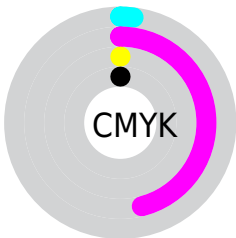
Distribution



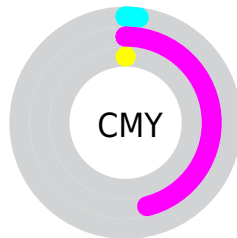
- Red (98%)
- Green (54%)
- Blue (100%)



- Red (98%)
- Yellow (54%)
- Blue (100%)



- Cyan (2%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4200, 45.4353, 99.8769 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 66.4200, 45.4353, 99.8769 by changing the saturation by 10% instead.


 66.4200, 45.4353,
99.8769


 66.4200, 45.4353,
99.8769

437.3424,
368.5337, 581.0412


 48.8824, 31.8004,
75.5814


 113.1433, 83.3732,
163.0384

 34.7403, 21.2091,
55.5847


 143.0598,
108.4451, 202.7415

 23.6285, 13.2769,
39.4683


 177.8332,
138.0981, 248.4176

 15.1815, 7.6195,
26.8136

217.8289,
172.7166, 300.4852

 9.0340, 3.8525,
17.2021

263.4124,
212.6850, 359.3628

 4.8207, 1.5914,
10.2152

314.9489,

 2.1761, 0.3518,

258.3877, 425.4690

5.4344

372.8038,
310.2092, 499.2223

■ 0.7301, 0.0000,
2.4412

■ 0.0000, 0.0000,
0.8087

■ 66.4200, 45.4353,
99.8769

■ 66.4200, 45.4353,
99.8769

■ 62.8288, 38.8249,
98.7903

■ 70.8728, 53.7636,
101.2498

■ 60.0334, 33.8040,
97.9684

■ 76.2381, 63.9146,
102.9263

■ 57.9661, 30.2357,
97.3887

■ 82.5679, 75.9915,
104.9238

■ 56.5455, 27.9576,
97.0238

■ 89.9093, 90.0881,
107.2577

■ 55.6703, 26.7671, 95.0500, 100.0000,
96.8402 108.9000

■ 55.4271, 26.4886,
96.7992

Harmonies

Analogous

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



54.5308, 45.4353, 142.0727



66.4200, 45.4353, 99.8769



72.1169, 45.4353, 54.9507

Triad

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



66.4200, 45.4353, 99.8769



45.0580, 45.4353, 7.5320



24.8210, 45.4353, 85.9474

Complementary

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



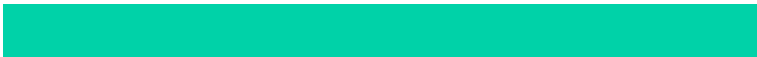
66.4200, 45.4353, 99.8769



51.4318, 79.0774, 36.2218

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.



23.2566, 45.4353, 44.3689



66.4200, 45.4353, 99.8769



33.5332, 45.4353, 9.5823

Square

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



66.4200, 45.4353, 99.8769



58.3535, 45.4353, 11.4640



26.1196, 45.4353, 19.7337



30.9030, 45.4353, 131.6531

Rectangle

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



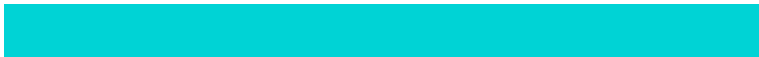
66.4200, 45.4353, 99.8769



70.9621, 45.4353, 33.0392



26.1196, 45.4353, 19.7337



23.8069, 45.4353, 70.6088

Sweetspot

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



66.4214, 45.4373, 99.8772



84.1457, 79.0140, 105.4240



38.1757, 32.1554, 98.8023



17.6897, 16.2974, 22.4633



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.



66.4214, 45.4373, 99.8772



62.9157, 38.9833, 98.8162



60.8356, 43.4126, 60.9897



18.7121, 18.2589, 22.7880



28.9953, 13.8581, 50.5812



2.8458, 1.3610, 4.9260

Inverse Universe

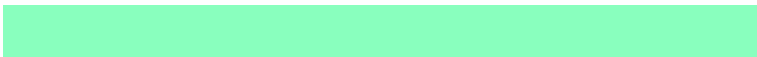
The Inverse Universe completely reimagines the original color for something new.



55.0692, 41.1060, 30.6245



50.3411, 34.2065, 21.1665



55.3830, 80.5611, 61.4052



18.0406, 17.9995, 18.8307



21.5932, 11.1266, 1.2422



2.1129, 1.0875, 0.1761

Previews

White Background



This preview shows how the XYZ color 66.4200, 45.4353, 99.8769 looks on a white background.

Color Contrast Check

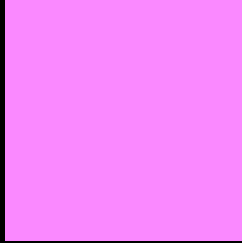
Large Text (above 18pt) WCAG AA × Fail

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 66.4200, 45.4353, 99.8769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

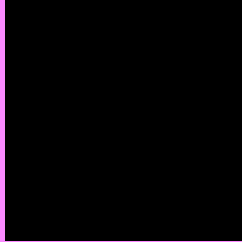
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4200, 45.4353, 99.8769

Background



This preview shows how black text looks on a background with the XYZ color 66.4200, 45.4353, 99.8769.



This preview shows how white text looks on a background with the XYZ color 66.4200, 45.4353,

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

66.4200, 45.4353, 99.8769

Protanopia

47.2968, 45.9308, 100.9805

Deuteranopia

47.1617, 45.9890, 95.1980



Tritanopia

54.8150, 45.3292, 43.3965

Trichromacy



Original Color

66.4200, 45.4353, 99.8769



Protanomaly

52.1335, 44.2332, 100.3979



Deuteranomaly

52.2480, 44.3659, 97.0765

Tritanomaly

58.2938, 45.0375, 60.2643

Monochromacy



Original Color

66.4200, 45.4353, 99.8769



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.4640, 45.7005, 67.0814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4200, 45.4353, 99.8769 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(250, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4200, 45.4353, 99.8769 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(250, 137, 255) }
```


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

```
.border{ border-color:rgb(250, 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(250, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4200, 45.4353, 99.8769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 137, 255) }
```

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

```
.background{ background-color: rgb(250,  
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