

Converting Colors

XYZ(65.3476, 45.3771, 84.2569)

Have a look what the booklet for
XYZ(65.3476, 45.3771, 84.2569)
contains.

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Color

**XYZ(65.3239, 45.4351,
83.9242)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8AEB
RGB	255, 138, 235
RGB Percent	100%, 54%, 92%
CMY	0.0000, 0.4588, 0.0784
CMYK	0.00, 0.46, 0.08, 0.00
HSL	310°, 100%, 77%
HSV	310°, 46%, 100%
XYZ	65.3239, 45.4351, 83.9242
YIQ	184.0410, 38.5950, 54.9710

Conversions

Conversions Part 2

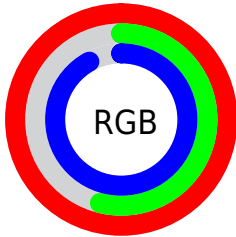
Format	Color
R _Y B	255, 138, 235
Decimal	16747243
CIE Lab	73.18, 56.86, -29.62
CIE LCh	73, 64.113, 332.484
Yxy	45.4351, 0.3355, 0.2334
Android (android.graphics.Color)	4294937323 (0xFFFF8AEB)
YUV	184.0410, 25.1228, 62.2310
Hunter-Lab	67.4056, 55.0277, -26.6359

Details

The XYZ color **65.3239, 45.4351, 83.9242** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.4143, 79.3926, 44.9119**, and the grayscale version is **45.4345, 47.8007, 52.0549**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **33.9949, 21.1769, 44.9437** is the 20% darker color. If you saturate the color by 10%, you get **61.4634, 38.7097, 79.5686**, and if you desaturate by 10%, it is **70.0605, 53.8878, 88.6492**.

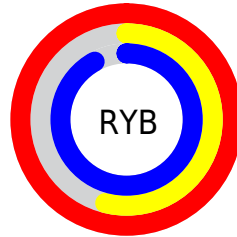
Distribution



Red (100%)

Green (54%)

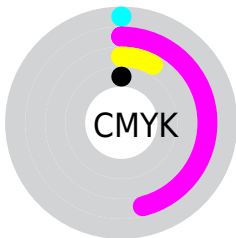
Blue (92%)



Red (100%)

Yellow (54%)

Blue (92%)

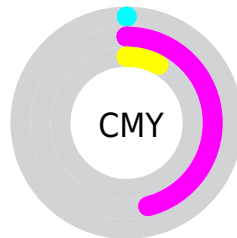


Cyan (0%)

Magenta (46%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3239, 45.4351, 83.9242 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 65.3239, 45.4351, 83.9242 by changing the saturation by 10% instead.


 65.3239, 45.4351,
83.9242


 65.3239, 45.4351,
83.9242


433.4819,
368.5329, 528.1130


 47.9894, 31.8003,
62.4078

 111.5785, 83.3729,
140.7299

 34.0297, 21.2090,
44.9244

 141.2294,
108.4447, 176.8563

 23.0794, 13.2769,
31.0554

 175.7164,
138.0977, 218.6899

 14.7732, 7.6195,
20.3822

215.4050,
172.7161, 266.6491

 8.7456, 3.8524,
12.4863

260.6605,
212.6845, 321.1524

 4.6314, 1.5914,
6.9493

311.8482,

 2.0652, 0.3518,

258.3871, 382.6185

3.3524

369.3336,
310.2084, 451.4658

■ 0.6702, 0.0000,
1.2773

■ 0.0000, 0.0000,
0.0431

■ 65.3239, 45.4351,
83.9242

■ 65.3239, 45.4351,
83.9242

■ 61.4634, 38.7097,
79.5686

■ 70.0605, 53.8878,
88.6492

■ 58.4150, 33.5839,
75.5587

■ 75.7254, 64.1724,
93.7597

■ 56.1105, 29.9216,
71.8718

■ 82.3702, 76.3919,
99.2740

■ 54.4691, 27.5613,
68.4805

■ 90.0419, 90.6398,
105.2084

■ 53.3905, 26.3027, 95.0500, 100.0000,
65.3507 108.9000

■ 53.0493, 25.9837,
64.1171

Harmonies

Analogous

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



55.8606, 45.4351, 122.1901



65.3239, 45.4351, 83.9242



68.5706, 45.4351, 46.8373

Triad

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



65.3239, 45.4351, 83.9242



42.2550, 45.4351, 9.8235



27.4011, 45.4351, 90.7066

Complementary

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



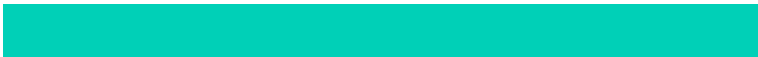
65.3239, 45.4351, 83.9242



52.4143, 79.3926, 44.9119

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.



24.9938, 45.4351, 52.2018



65.3239, 45.4351, 83.9242



32.5880, 45.4351, 13.4769

Square

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



65.3239, 45.4351, 83.9242



53.9570, 45.4351, 12.3809



26.7154, 45.4351, 26.0341



33.9510, 45.4351, 127.1565

Rectangle

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



65.3239, 45.4351, 83.9242



66.3862, 45.4351, 29.3778



26.7154, 45.4351, 26.0341



26.1374, 45.4351, 77.1124

Sweetspot

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



65.3249, 45.4369, 83.9251



83.7327, 78.9129, 100.3571



41.1428, 32.6177, 98.7351



17.5882, 16.2726, 21.2148



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.



65.3249, 45.4369, 83.9251



61.7697, 39.2355, 79.9377



58.2656, 42.6132, 46.7514



18.6515, 18.2439, 22.0479



27.7684, 13.5967, 33.7607



2.7373, 1.3373, 3.4642

Inverse Universe

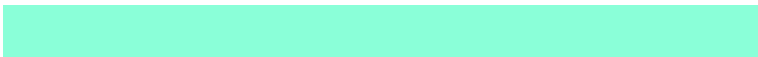
The Inverse Universe completely reimagines the original color for something new.



65.3249, 45.4369, 83.9251



61.7697, 39.2355, 79.9377



58.6372, 81.8818, 77.6814



18.6515, 18.2439, 22.0479



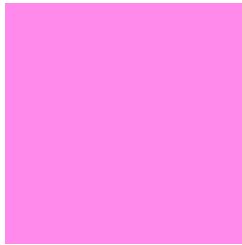
27.7684, 13.5967, 33.7607



2.7373, 1.3373, 3.4642

Previews

White Background



This preview shows how the XYZ color 65.3239, 45.4351, 83.9242 looks on a white background.

Color Contrast Check

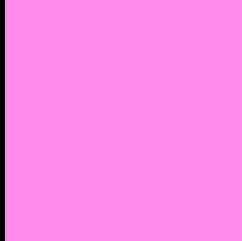
Large Text (above 18pt) WCAG AA × Fail

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 65.3239, 45.4351, 83.9242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

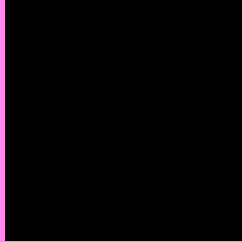
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3239, 45.4351, 83.9242

Background



This preview shows how black text looks on a background with the XYZ color 65.3239, 45.4351, 83.9242.



This preview shows how white text looks on a background with the XYZ color 65.3239, 45.4351,

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

65.3239, 45.4351, 83.9242

Protanopia

47.4880, 46.0294, 100.9894

Deuteranopia

46.7390, 45.8164, 79.7788



Tritanopia

56.5405, 45.2732, 41.3559

Trichromacy



Original Color

65.3239, 45.4351, 83.9242



Protanomaly

51.5263, 44.0481, 94.5933



Deuteranomaly

51.8781, 44.5205, 81.4603



Tritanomaly

59.3085, 45.2215, 54.3179

Monochromacy



Original Color

65.3239, 45.4351, 83.9242



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.1766, 45.6509, 62.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3239, 45.4351, 83.9242 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 235) }
```

Border

The CSS property to change the border of an element to XYZ 65.3239, 45.4351, 83.9242 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, 235) }
```


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

```
.border{ border-color:rgb(255, 138, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3239, 45.4351, 83.9242 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
138, 235) }
```

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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