

Converting Colors

XYZ(65.0643, 45.2625, 82.7693)

Have a look what the booklet for
XYZ(65.0643, 45.2625, 82.7693)
contains.

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Color

**XYZ(65.0365, 45.3202,
82.4107)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8AE9
RGB	255, 138, 233
RGB Percent	100%, 54%, 91%
CMY	0.0000, 0.4588, 0.0863
CMYK	0.00, 0.46, 0.09, 0.00
HSL	311°, 100%, 77%
HSV	311°, 46%, 100%
XYZ	65.0365, 45.3202, 82.4107
YIQ	183.8130, 39.2370, 54.3490

Conversions

Conversions Part 2

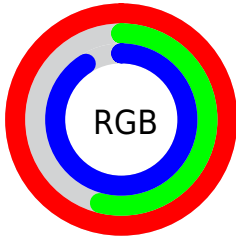
Format	Color
R _Y B	255, 138, 233
Decimal	16747241
CIE Lab	73.10, 56.54, -28.64
CIE LCh	73, 63.378, 333.134
Yxy	45.3202, 0.3374, 0.2351
Android (android.graphics.Color)	4294937321 (0xFFFF8AE9)
YUV	183.8130, 24.2492, 62.4310
Hunter-Lab	67.3203, 54.6341, -25.4562

Details

The XYZ color **65.0365, 45.3202, 82.4107** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.5880, 79.4621, 45.8263**, and the grayscale version is **45.3135, 47.6733, 51.9162**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **33.7940, 21.0966, 43.8859** is the 20% darker color. If you saturate the color by 10%, you get **61.1224, 38.5733, 77.7726**, and if you desaturate by 10%, it is **69.8299, 53.7957, 87.4349**.

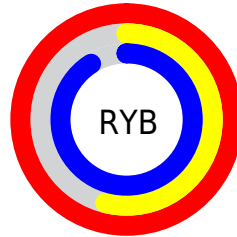
Distribution



Red (100%)

Green (54%)

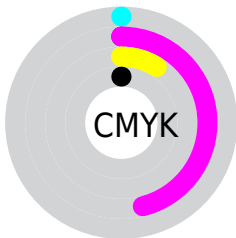
Blue (91%)



Red (100%)

Yellow (54%)

Blue (91%)

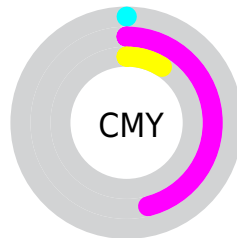


Cyan (0%)

Magenta (46%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0365, 45.3202, 82.4107 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 65.0365, 45.3202, 82.4107 by changing the saturation by 10% instead.


 65.0365, 45.3202,
82.4107


 65.0365, 45.3202,
82.4107


432.4663,
368.0688, 522.9399


 47.7555, 31.7097,
61.1663

 111.1677, 83.2007,
138.5916

 33.8437, 21.1399,
43.9280


 140.7487,
108.2395, 174.3653

 22.9359, 13.2263,
30.2771


 175.1603,
137.8565, 215.8191

 14.6666, 7.5845,
19.7952

214.7680,
172.4362, 263.3717

 8.6705, 3.8303,
12.0637

259.9371,
212.3628, 317.4415

 4.5823, 1.5791,
6.6640

311.0329,

 2.0365, 0.3434,

258.0209, 378.4471

3.1776

368.4209,
309.7948, 446.8071

■ 0.6544, 0.0000,
1.1860

■ 0.0000, 0.0000,
0.0000

■ 65.0365, 45.3202,
82.4107

■ 65.0365, 45.3202,
82.4107

■ 61.1224, 38.5733,
77.7726

■ 69.8299, 53.7957,
87.4349

■ 58.0235, 33.4273,
73.4968

■ 75.5549, 64.1043,
92.8615

■ 55.6716, 29.7461,
69.5604

■ 82.2631, 76.3491,
98.7092

■ 53.9858, 27.3680,
65.9357

■ 90.0013, 90.6237,
104.9942

■ 52.8659, 26.0929,
62.5886

95.0500, 100.0000,
108.9000

■ 52.5087, 25.7675,
61.2699

Harmonies

Analogous

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



55.8146, 45.3202, 120.1910



65.0365, 45.3202, 82.4107



68.0698, 45.3202, 46.0820

Triad

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



65.0365, 45.3202, 82.4107



41.9202, 45.3202, 10.0353



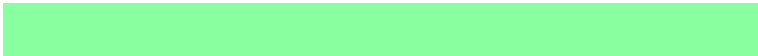
27.5721, 45.3202, 90.8217

Complementary

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



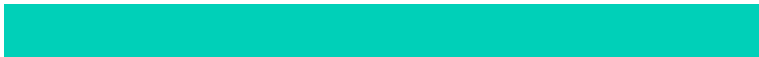
65.0365, 45.3202, 82.4107



52.5880, 79.4621, 45.8263

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.



25.0983, 45.3202, 52.7606



65.0365, 45.3202, 82.4107



32.4391, 45.3202, 13.8371

Square

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



65.0365, 45.3202, 82.4107



53.4489, 45.3202, 12.4555



26.7152, 45.3202, 26.5723



34.1394, 45.3202, 126.3369

Rectangle

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



65.0365, 45.3202, 82.4107



65.8121, 45.3202, 29.0306



26.7152, 45.3202, 26.5723



26.2906, 45.3202, 77.4395

Sweetspot

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



65.0375, 45.3221, 82.4116



83.6377, 78.8749, 99.8568



41.5279, 32.8164, 98.7532



17.5649, 16.2633, 21.0918



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.



65.0375, 45.3221, 82.4116



61.4332, 39.1009, 78.1659



58.0726, 42.5361, 45.7350



18.6375, 18.2383, 21.9744



27.4894, 13.4850, 32.2913



2.7126, 1.3274, 3.3341

Inverse Universe

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



65.0375, 45.3221, 82.4116



61.4332, 39.1009, 78.1659



58.8909, 81.9833, 79.0173



18.6375, 18.2383, 21.9744



27.4894, 13.4850, 32.2913



2.7126, 1.3274, 3.3341

Previews

White Background



This preview shows how the XYZ color 65.0365, 45.3202, 82.4107 looks on a white background.

Color Contrast Check

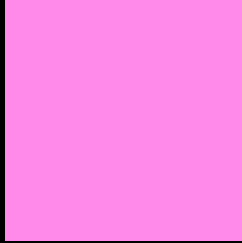
Large Text (above 18pt) WCAG AA × Fail

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 65.0365, 45.3202, 82.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

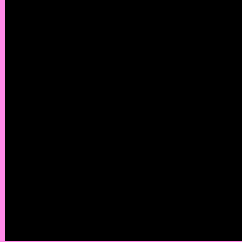
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0365, 45.3202, 82.4107

Background



This preview shows how black text looks on a background with the XYZ color 65.0365, 45.3202, 82.4107.



This preview shows how white text looks on a background with the XYZ color 65.0365, 45.3202,

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

65.0365, 45.3202, 82.4107

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.4864, 45.4259, 78.2695



Tritanopia

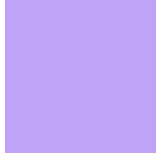
56.4498, 45.2370, 40.8783

Trichromacy



Original Color

65.0365, 45.3202, 82.4107



Protanomaly

51.3716, 43.9862, 93.7783



Deuteranomaly

51.6918, 44.1943, 79.9346



Tritanomaly

59.1996, 45.1779, 53.7442

Monochromacy



Original Color

65.0365, 45.3202, 82.4107



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

51.0577, 45.6033, 61.9884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0365, 45.3202, 82.4107 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 233) }
```

Border

The CSS property to change the border of an element to XYZ 65.0365, 45.3202, 82.4107 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, 233) }
```


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

```
.border{ border-color:rgb(255, 138, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0365, 45.3202, 82.4107 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
138, 233) }
```

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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