

Converting Colors

XYZ(87.9547, 57.4968, 82.8369)

Have a look what the booklet for
XYZ(87.9547, 57.4968, 82.8369)
contains.

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Color

**XYZ(65.1836, 45.8424,
81.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8CE8
RGB	255, 140, 232
RGB Percent	100%, 55%, 91%
CMY	0.0000, 0.4510, 0.0902
CMYK	0.00, 0.45, 0.09, 0.00
HSL	312°, 100%, 77%
HSV	312°, 45%, 100%
XYZ	65.1836, 45.8424, 81.7568
YIQ	184.8730, 39.0080, 52.9920

Conversions

Conversions Part 2

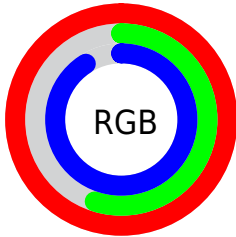
Format	Color
R _Y B	255, 140, 232
Decimal	16747752
CIE Lab	73.44, 55.40, -27.57
CIE LCh	73, 61.881, 333.543
Yxy	45.8424, 0.3381, 0.2378
Android (android.graphics.Color)	4294937832 (0xFFFF8CE8)
YUV	184.8730, 23.2336, 61.5014
Hunter-Lab	67.7070, 53.3601, -24.1983

Details

The XYZ color **65.1836, 45.8424, 81.7568** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1877, 79.7406, 47.2412**, and the grayscale version is **45.9046, 48.2952, 52.5935**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **33.8499, 21.3674, 43.4145** is the 20% darker color. If you saturate the color by 10%, you get **61.1660, 38.9498, 76.8954**, and if you desaturate by 10%, it is **70.0875, 54.4736, 87.0185**.

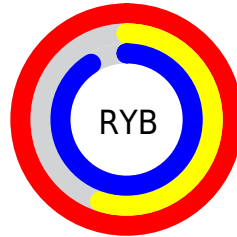
Distribution



Red (100%)

Green (55%)

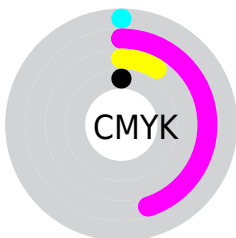
Blue (91%)



Red (100%)

Yellow (55%)

Blue (91%)

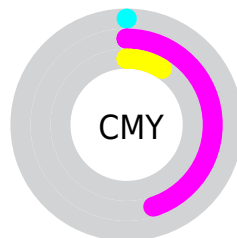


Cyan (0%)

Magenta (45%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1836, 45.8424, 81.7568 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 65.1836, 45.8424, 81.7568 by changing the saturation by 10% instead.

 65.1836, 45.8424,
81.7568


 65.1836, 45.8424,
81.7568


432.9862,
370.1747, 520.6959

 47.8752, 32.1215,
60.6304

 111.3780, 83.9831,
137.6665

 33.9389, 21.4543,
43.4984

 140.9948,
109.1716, 173.2870

 23.0093, 13.4565,
29.9421


175.4450,
138.9515, 214.5759

 14.7211, 7.7436,
19.5429

215.0941,
173.7071, 261.9517

 8.7090, 3.9313,
11.8825

260.3074,
213.8228, 315.8331

 4.6074, 1.6352,
6.5421

311.4503,

 2.0512, 0.3812,

259.6831, 376.6386

3.1034

368.8882,
311.6722, 444.7867

■ 0.6625, 0.0000,
1.1477

■ 0.0000, 0.0000,
0.0000

■ 65.1836, 45.8424,
81.7568

■ 65.1836, 45.8424,
81.7568

■ 61.1660, 38.9498,
76.8954

■ 70.0875, 54.4736,
87.0185

■ 57.9710, 33.6691,
72.4105

■ 75.9294, 64.9473,
92.6969

■ 55.5311, 29.8655,
68.2793

■ 82.7608, 77.3656,
98.8106

■ 53.7666, 27.3800,
64.4744

■ 90.6284, 91.8218,
105.3759

■ 52.5791, 26.0160,
60.9619

95.0500, 100.0000,
108.9000

■ 52.1389, 25.6196,
59.3230

Harmonies

Analogous

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



56.2235, 45.8424, 118.6129



65.1836, 45.8424, 81.7568



68.0464, 45.8424, 46.2931

Triad

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



65.1836, 45.8424, 81.7568



42.2882, 45.8424, 10.7545



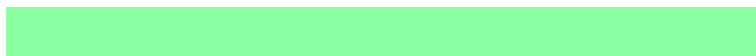
28.3199, 45.8424, 91.0219

Complementary

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



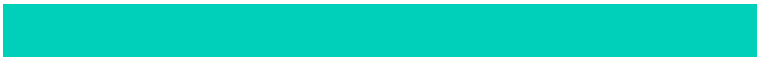
65.1836, 45.8424, 81.7568



53.1877, 79.7406, 47.2412

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.



25.8067, 45.8424, 53.7202



65.1836, 45.8424, 81.7568



32.9765, 45.8424, 14.7155

Square

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



65.1836, 45.8424, 81.7568



53.6039, 45.8424, 13.1314



27.3583, 45.8424, 27.6445



34.8767, 45.8424, 125.3480

Rectangle

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



65.1836, 45.8424, 81.7568



65.7754, 45.8424, 29.5551



27.3583, 45.8424, 27.6445



27.0289, 45.8424, 77.9676

Sweetspot

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



65.1846, 45.8443, 81.7577



83.5714, 78.8483, 99.5075



42.5343, 33.7651, 98.8833



17.5486, 16.2567, 21.0060



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.



65.1846, 45.8443, 81.7577



61.5649, 39.6241, 77.4093



58.3083, 43.0938, 45.5475



18.6278, 18.2344, 21.9231



27.2985, 13.4087, 31.2859



2.6957, 1.3206, 3.2448

Inverse Universe

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



65.1846, 45.8443, 81.7577



61.5649, 39.6241, 77.4093



59.5612, 82.2900, 80.8035



18.6278, 18.2344, 21.9231



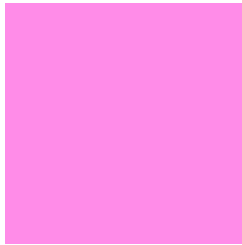
27.2985, 13.4087, 31.2859



2.6957, 1.3206, 3.2448

Previews

White Background



This preview shows how the XYZ color 65.1836, 45.8424, 81.7568 looks on a white background.

Color Contrast Check

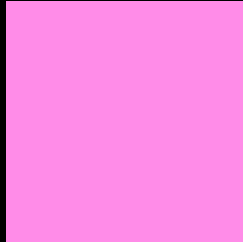
Large Text (above 18pt) WCAG AA × Fail

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 65.1836, 45.8424, 81.7568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

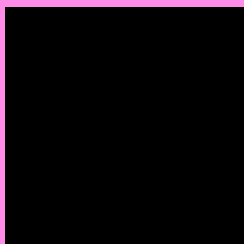
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1836, 45.8424, 81.7568

Background



This preview shows how black text looks on a background with the XYZ color 65.1836, 45.8424, 81.7568.



This preview shows how white text looks on a background with the XYZ color 65.1836, 45.8424,

81.7568.

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

65.1836, 45.8424, 81.7568

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

46.9919, 45.9945, 77.6352



Tritanopia

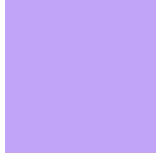
56.7963, 45.6385, 41.8920

Trichromacy



Original Color

65.1836, 45.8424, 81.7568



Protanomaly

52.0563, 44.6038, 93.8614



Deuteranomaly

52.1809, 44.9897, 79.3324



Tritanomaly

59.4661, 45.5366, 54.3704

Monochromacy



Original Color

65.1836, 45.8424, 81.7568



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

51.4270, 46.3418, 62.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1836, 45.8424, 81.7568 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 232) }
```

Border

The CSS property to change the border of an element to XYZ 65.1836, 45.8424, 81.7568 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, 232) }
```


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

```
.border{ border-color:rgb(255, 140, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 140, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 140, 232); box-shadow:4px 4px 4px 4px rgb(255, 140, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1836, 45.8424, 81.7568 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
140, 232) }
```

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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