

Converting Colors

XYZ(65.1798, 45.3775, 83.1653)

Have a look what the booklet for
XYZ(65.1798, 45.3775, 83.1653)
contains.

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Color

**XYZ(65.1798, 45.3775,
83.1653)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8AEA
RGB	255, 138, 234
RGB Percent	100%, 54%, 92%
CMY	0.0000, 0.4588, 0.0823
CMYK	0.00, 0.46, 0.08, 0.00
HSL	311°, 100%, 77%
HSV	311°, 46%, 100%
XYZ	65.1798, 45.3775, 83.1653
YIQ	183.9270, 38.9160, 54.6600

Conversions

Conversions Part 2

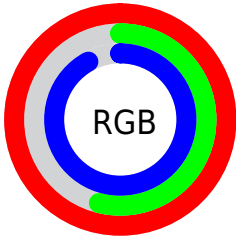
Format	Color
RYB	255, 138, 234
Decimal	16747242
CIELab	73.14, 56.70, -29.13
CIELCh	73, 63.744, 332.807
Yxy	45.3775, 0.3365, 0.2342
Android (android.graphics.Color)	4294937322 (0xFFFF8AEA)
YUV	183.9270, 24.6860, 62.3310
Hunter-Lab	67.3628, 54.8304, -26.0447

Details

The XYZ color **65.1798, 45.3775, 83.1653** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.5008, 79.4272, 45.3673**, and the grayscale version is **45.3740, 47.7370, 51.9856**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **33.8941, 21.1366, 44.4128** is the 20% darker color. If you saturate the color by 10%, you get **61.2923, 38.6413, 78.6674**, and if you desaturate by 10%, it is **69.9450, 53.8416, 88.0407**.

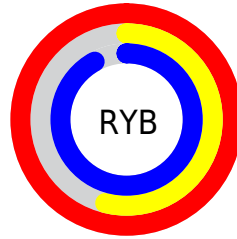
Distribution



Red (100%)

Green (54%)

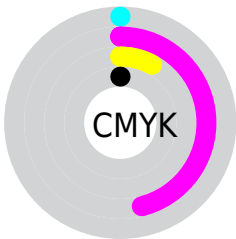
Blue (92%)



Red (100%)

Yellow (54%)

Blue (92%)

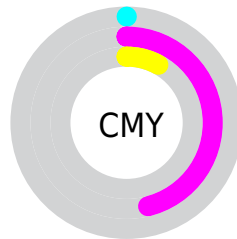


Cyan (0%)

Magenta (46%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (46%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1798, 45.3775, 83.1653 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 65.1798, 45.3775, 83.1653 by changing the saturation by 10% instead.

 65.1798, 45.3775,
83.1653

 65.1798, 45.3775,
83.1653


432.9728,
368.3003, 525.5227


 47.8721, 31.7549,
61.7851

 111.3726, 83.2866,
139.6583

 33.9365, 21.1743,
44.4244


 140.9884,
108.3419, 175.6081

 23.0075, 13.2515,
30.6647


 175.4377,
137.9768, 217.2516

 14.7197, 7.6020,
20.0873

215.0857,
172.5758, 265.0073

 8.7080, 3.8413,
12.2738

260.2979,
212.5232, 319.2937

 4.6068, 1.5852,
6.8057

311.4396,

 2.0508, 0.3476,

258.2036, 380.5294

3.2643

368.8761,
310.0011, 449.1329

■ 0.6623, 0.0000,
1.2311

■ 0.0000, 0.0000,
0.0043

■ 65.1798, 45.3775,
83.1653

■ 65.1798, 45.3775,
83.1653

■ 61.2923, 38.6413,
78.6674

■ 69.9450, 53.8416,
88.0407

■ 58.2184, 33.5053,
74.5234

■ 75.6400, 64.1384,
93.3099

■ 55.8899, 29.8334,
70.7104

■ 82.3166, 76.3705,
98.9914

■ 54.2261, 27.4641,
67.2008

■ 90.0216, 90.6318,
105.1013

■ 53.1265, 26.1971,
63.9607

95.0500, 100.0000,
108.9000

■ 52.7771, 25.8749,
62.6837

Harmonies

Analogous

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



55.8373, 45.3775, 121.1876



65.1798, 45.3775, 83.1653



68.3196, 45.3775, 46.4588

Triad

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



65.1798, 45.3775, 83.1653



42.0874, 45.3775, 9.9290



27.4864, 45.3775, 90.7634

Complementary

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



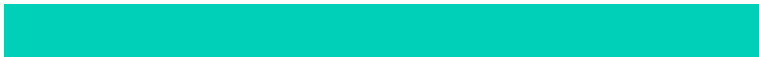
65.1798, 45.3775, 83.1653



52.5008, 79.4272, 45.3673

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.



25.0459, 45.3775, 52.4802



65.1798, 45.3775, 83.1653



32.5135, 45.3775, 13.6561

Square

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



65.1798, 45.3775, 83.1653



53.7025, 45.3775, 12.4182



26.7153, 45.3775, 26.3020



34.0449, 45.3775, 126.7454

Rectangle

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



65.1798, 45.3775, 83.1653



66.0986, 45.3775, 29.2040



26.7153, 45.3775, 26.3020



26.2139, 45.3775, 77.2751

Sweetspot

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



65.1808, 45.3793, 83.1662



83.6852, 78.8938, 100.1068



41.1428, 32.6178, 98.7351



17.5765, 16.2679, 21.1532



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.



65.1808, 45.3793, 83.1662



61.6008, 39.1680, 79.0487



58.2656, 42.6133, 46.7514



18.6445, 18.2411, 22.0112



27.6280, 13.5405, 33.0210



2.7249, 1.3323, 3.3988

Inverse Universe

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



65.1808, 45.3793, 83.1662



61.6008, 39.1680, 79.0487



58.6372, 81.8818, 77.6814



18.6445, 18.2411, 22.0112



27.6280, 13.5405, 33.0210



2.7249, 1.3323, 3.3988

Previews

White Background



This preview shows how the XYZ color 65.1798, 45.3775, 83.1653 looks on a white background.

Color Contrast Check

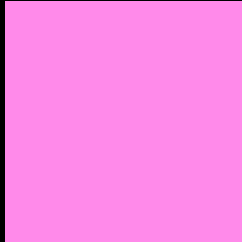
Large Text (above 18pt) WCAG AA × Fail

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 65.1798, 45.3775, 83.1653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

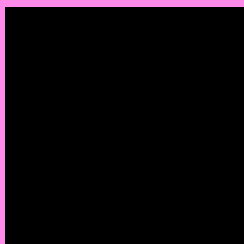
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1798, 45.3775, 83.1653

Background



This preview shows how black text looks on a background with the XYZ color 65.1798, 45.3775, 83.1653.



This preview shows how white text looks on a background with the XYZ color 65.1798, 45.3775,

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

65.1798, 45.3775, 83.1653

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.6240, 45.4810, 78.9944



Tritanopia

56.5405, 45.2732, 41.3559

Trichromacy



Original Color

65.1798, 45.3775, 83.1653



Protanomaly

51.3716, 43.9862, 93.7783



Deuteranomaly

51.8319, 44.2503, 80.6722



Tritanomaly

59.3085, 45.2215, 54.3179

Monochromacy



Original Color

65.1798, 45.3775, 83.1653



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 65.1798, 45.3775, 83.1653 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 234) }
```

Border

The CSS property to change the border of an element to XYZ 65.1798, 45.3775, 83.1653 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, 234) }
```


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

```
.border{ border-color:rgb(255, 138, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1798, 45.3775, 83.1653 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
138, 234) }
```

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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