

# Converting Colors

XYZ(65.8759, 46.3139, 84.8026)

Have a look what the booklet for  
XYZ(65.8759, 46.3139, 84.8026)  
contains.

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# Color

**XYZ(65.9052, 46.3659,  
84.8328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8DEC
RGB	255, 141, 236
RGB Percent	100%, 55%, 93%
CMY	0.0000, 0.4470, 0.0745
CMYK	0.00, 0.45, 0.07, 0.00
HSL	310°, 100%, 78%
HSV	310°, 45%, 100%
XYZ	65.9052, 46.3659, 84.8328
YIQ	185.9160, 37.4490, 53.7130

# Conversions

## Conversions Part 2

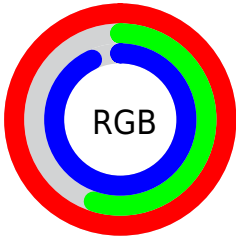
Format	Color
R <sub>YB</sub>	255, 141, 236
Decimal	16748012
CIE <sub>Lab</sub>	73.78, 55.56, -29.24
CIE <sub>LCh</sub>	74, 62.782, 332.245
Yxy	46.3659, 0.3344, 0.2352
Android (android.graphics.Color)	4294938092 (0xFFFF8DEC)
YUV	185.9160, 24.6914, 60.5867
Hunter-Lab	68.0925, 53.6042, -26.2015

# Details

The XYZ color **65.9052, 46.3659, 84.8328** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.0912, 79.7215, 45.8498**, and the grayscale version is **46.4779, 48.8984, 53.2503**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **34.3310, 21.6866, 45.5565** is the 20% darker color. If you saturate the color by 10%, you get **61.9587, 39.4493, 80.5073**, and if you desaturate by 10%, it is **70.7339, 55.0231, 89.5260**.

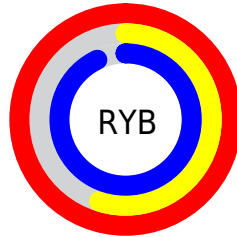
# Distribution



Red (100%)

Green (55%)

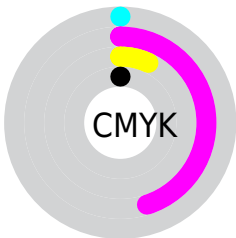
Blue (93%)



Red (100%)

Yellow (55%)

Blue (93%)

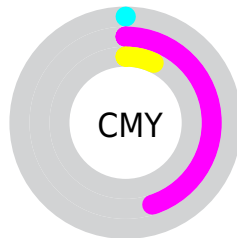


Cyan (0%)

Magenta (45%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9052, 46.3659, 84.8328 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 65.9052, 46.3659, 84.8328 by changing the saturation by 10% instead.





 65.9052, 46.3659,  
84.8328


 65.9052, 46.3659,  
84.8328


435.5318,  
372.2777, 531.2048

 48.4629, 32.5347,  
63.1539

 112.4087, 84.7663,  
142.0116

 34.4064, 21.7702,  
45.5239


 142.2007,  
110.1043, 178.3486

 23.3703, 13.6881,  
31.5243


176.8398,  
140.0467, 220.4087

 14.9894, 7.9041,  
20.7366

216.6916,  
174.9778, 268.6105

 8.8982, 4.0336,  
12.7423

262.1213,  
215.2820, 323.3724

 4.7314, 1.6924,  
7.1227

313.4943,

 2.1237, 0.4187,

261.3439, 385.1131

3.4593

371.1760,  
313.5476, 454.2511

■ 0.7020, 0.0000,  
1.3337

■ 0.0000, 0.0000,  
0.0892

■ 65.9052, 46.3659,  
84.8328

■ 65.9052, 46.3659,  
84.8328

■ 61.9587, 39.4493,  
80.5073

■ 70.7339, 55.0231,  
89.5260

■ 58.8311, 34.1471,  
76.5262

■ 76.4963, 65.5242,  
94.6029

■ 56.4552, 30.3254,  
72.8672

■ 83.2436, 77.9712,  
100.0815

■ 54.7520, 27.8260,  
69.5034

■ 91.0223, 92.4569,  
105.9779

■ 53.6242, 26.4544,  
66.4019

95.0500, 100.0000,  
108.9000

■ 53.1868, 26.0387,  
64.8409

# Harmonies

## Analogous

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



56.5320, 46.3659, 122.2954



65.9052, 46.3659, 84.8328



69.1630, 46.3659, 48.1162

# Triad

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



65.9052, 46.3659, 84.8328



43.2345, 46.3659, 10.6202



28.3043, 46.3659, 90.8613

# Complementary

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



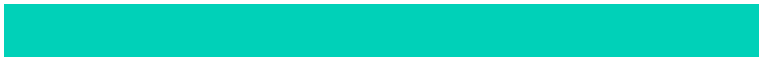
65.9052, 46.3659, 84.8328



53.0912, 79.7215, 45.8498

# 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.



25.9242, 46.3659, 52.9294



65.9052, 46.3659, 84.8328



33.5878, 46.3659, 14.3155

# Square

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



65.9052, 46.3659, 84.8328



54.8311, 46.3659, 13.3018



27.6835, 46.3659, 26.9418



34.8168, 46.3659, 126.6874



# Rectangle

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



65.9052, 46.3659, 84.8328



67.0512, 46.3659, 30.6183



27.6835, 46.3659, 26.9418



27.0493, 46.3659, 77.4917

# Sweetspot

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



65.9062, 46.3678, 84.8337



84.4945, 80.2921, 101.0560



42.0741, 33.7457, 98.9038



17.7396, 16.5445, 21.3604



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.



65.9062, 46.3678, 84.8337



62.2089, 39.8816, 80.8001



58.9029, 43.5665, 47.9547



18.6550, 18.2453, 22.0663



27.8394, 13.6250, 34.1342



2.7436, 1.3398, 3.4972



# Inverse Universe

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



65.9062, 46.3678, 84.8337



62.2089, 39.8816, 80.8001



59.2702, 82.1931, 78.3881



18.6550, 18.2453, 22.0663



27.8394, 13.6250, 34.1342

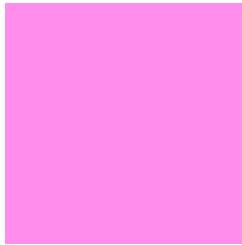


2.7436, 1.3398, 3.4972



# Previews

## White Background



This preview shows how the XYZ color 65.9052, 46.3659, 84.8328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

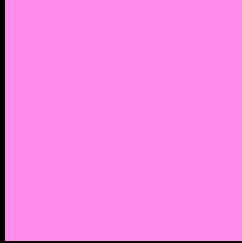
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9052, 46.3659, 84.8328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

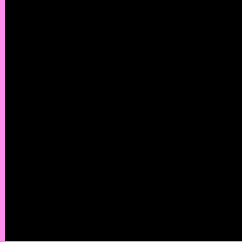
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.9052, 46.3659, 84.8328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.9052, 46.3659, 84.8328.



This preview shows how white text looks on a background with the XYZ color 65.9052, 46.3659,



# 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

65.9052, 46.3659, 84.8328

### Protanopia

48.2707, 46.7293, 101.0833

### Deuteranopia

47.7424, 46.6119, 80.6094



## Tritanopia

57.2213, 46.3411, 42.4881

# Trichromacy



## Original Color

65.9052, 46.3659, 84.8328



## Protanomaly

52.3907, 45.0250, 94.7363



## Deuteranomaly

52.9225, 45.5738, 82.3512



## Tritanomaly

60.0054, 46.2630, 55.6362

# Monochromacy



## Original Color

65.9052, 46.3659, 84.8328



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

52.1378, 46.9580, 63.4426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9052, 46.3659, 84.8328 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, 141, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 236)  
}
```

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, 141, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9052, 46.3659, 84.8328 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, 141, 236) }
```



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

```
.border{ border-color:rgb(255, 141, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 141, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9052, 46.3659, 84.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 236) }
```

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

```
.background{ background-color: rgb(255,  
141, 236) }
```

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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