

Converting Colors

XYZ(65.5035, 46.1298, 87.8900)

Have a look what the booklet for
XYZ(65.5035, 46.1298, 87.8900)
contains.

XYZ(65.3979, 46.0365, 87.8772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.3979, 46.0365,
87.8772)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8DF0
RGB	252, 141, 240
RGB Percent	99%, 55%, 94%
CMY	0.0118, 0.4470, 0.0588
CMYK	0.00, 0.44, 0.05, 0.01
HSL	306°, 95%, 77%
HSV	306°, 44%, 99%
XYZ	65.3979, 46.0365, 87.8772
YIQ	185.4750, 34.3770, 54.3210

Conversions

Conversions Part 2

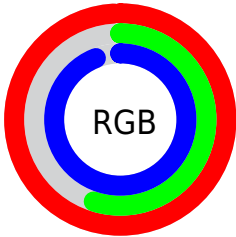
Format	Color
R_{YB}	252, 141, 240
Decimal	16551408
CIE _{Lab}	73.57, 55.34, -31.78
CIE _{LCh}	74, 63.815, 330.132
Yxy	46.0365, 0.3281, 0.2310
Android (android.graphics.Color)	4294741488 (0xFFFC8DF0)
YUV	185.4750, 26.8808, 58.3424
Hunter-Lab	67.8502, 53.3106, -29.2952

Details

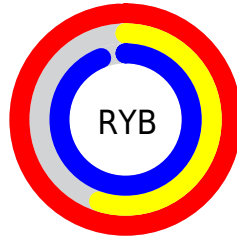
The XYZ color **65.3979, 46.0365, 87.8772** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.5467, 77.5849, 42.3984**, and the grayscale version is **46.2215, 48.6287, 52.9566**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **34.0522, 21.6145, 47.7247** is the 20% darker color. If you saturate the color by 10%, you get **61.6949, 39.2724, 84.6612**, and if you desaturate by 10%, it is **69.9553, 54.4977, 91.4088**.

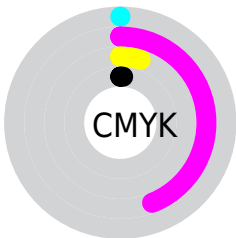
Distribution



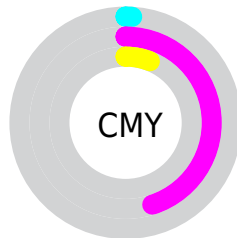
- Red (99%)
- Green (55%)
- Blue (94%)



- Red (99%)
- Yellow (55%)
- Blue (94%)



- Cyan (0%)
- Magenta (44%)
- Yellow (5%)
- Black (1%)





- Cyan (1%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3979, 46.0365, 87.8772 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 65.3979, 46.0365, 87.8772 by changing the saturation by 10% instead.

 65.3979, 46.0365,
87.8772


 65.3979, 46.0365,
87.8772


433.7431,
370.9554, 541.4919

 48.0497, 32.2746,
65.6576

 111.6842, 84.2736,
146.2958

 34.0777, 21.5713,
47.5398


 141.3531,
109.5177, 183.3319

 23.1164, 13.5423,
33.1052

175.8595,
139.3579, 226.1440

 14.8007, 7.8030,
21.9353

215.5689,
174.1786, 275.1505

 8.7650, 3.9692,
13.6115

260.8466,
214.3644, 330.7700

 4.6441, 1.6563,
7.7153

312.0580,

 2.0726, 0.3951,

260.2995, 393.4210

3.8282

369.5684,
312.3684, 463.5221

■ 0.6742, 0.0000,
1.5316

■ 0.0000, 0.0000,
0.2413

■ 65.3979, 46.0365,
87.8772

■ 65.3979, 46.0365,
87.8772

■ 61.6949, 39.2724,
84.6612

■ 69.9553, 54.4977,
91.4088

■ 58.7835, 34.0829,
81.7386

■ 75.4151, 64.7549,
95.2709

■ 56.5999, 30.3394,
79.0883

■ 81.8272, 76.9070,
99.4807

■ 55.0683, 27.8900,
76.6849

■ 89.2366, 91.0436,
104.0532

■ 54.0956, 26.5492,
74.4973

93.7345, 99.3473,
107.6858

■ 53.7026, 26.1186,
73.2706

93.9553, 99.4357,
108.8488

Harmonies

Analogous

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



55.5773, 46.0365, 125.3650



65.3979, 46.0365, 87.8772



69.2380, 46.0365, 49.9827

Triad

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



65.3979, 46.0365, 87.8772



43.7063, 46.0365, 10.1267



27.5455, 46.0365, 88.2387

Complementary

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



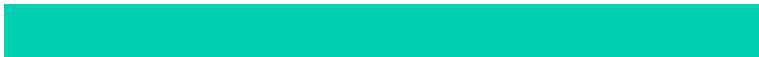
65.3979, 46.0365, 87.8772



51.5467, 77.5849, 42.3984

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.



25.4475, 46.0365, 50.2694



65.3979, 46.0365, 87.8772



33.7429, 46.0365, 13.3016

Square

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



65.3979, 46.0365, 87.8772



55.4757, 46.0365, 13.2425



27.5087, 46.0365, 25.1114



33.8159, 46.0365, 125.6293

Rectangle

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



65.3979, 46.0365, 87.8772



67.4534, 46.0365, 31.6357



27.5087, 46.0365, 25.1114



26.3824, 46.0365, 74.7001

Sweetspot

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



65.3994, 46.0386, 87.8782



84.7997, 80.4142, 102.6630



40.0654, 32.7656, 96.3091



17.8157, 16.5750, 21.7611



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.



65.3994, 46.0386, 87.8782



63.7244, 40.9713, 87.2903



58.4708, 43.2671, 51.3926



17.9074, 17.4903, 21.3683



28.0077, 13.6188, 38.3443



2.6164, 1.2703, 3.6696

Inverse Universe

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



65.3994, 46.0386, 87.8782



63.7244, 40.9713, 87.2903



57.1327, 79.8194, 71.8143



17.9074, 17.4903, 21.3683



28.0077, 13.6188, 38.3443



2.6164, 1.2703, 3.6696

Previews

White Background



This preview shows how the XYZ color 65.3979, 46.0365, 87.8772 looks on a white background.

Color Contrast Check

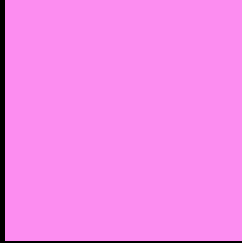
Large Text (above 18pt) WCAG AA × Fail

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 65.3979, 46.0365, 87.8772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

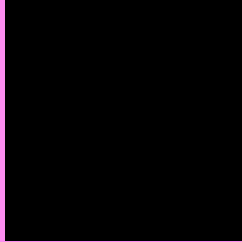
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3979, 46.0365, 87.8772

Background



This preview shows how black text looks on a background with the XYZ color 65.3979, 46.0365, 87.8772.



This preview shows how white text looks on a background with the XYZ color 65.3979, 46.0365,

87.8772.

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

65.3979, 46.0365, 87.8772

Protanopia

48.0747, 46.6283, 101.0741

Deuteranopia

47.4230, 46.3819, 83.5439



Tritanopia

56.0870, 45.9958, 42.9678

Trichromacy



Original Color

65.3979, 46.0365, 87.8772



Protanomaly

52.4487, 45.0189, 96.3676



Deuteranomaly

52.4149, 45.2458, 85.3276



Tritanomaly

58.8102, 45.6211, 56.7450

Monochromacy



Original Color

65.3979, 46.0365, 87.8772



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

51.5019, 46.3390, 63.9875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3979, 46.0365, 87.8772 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(252, 141, 240)` looks like.

```
.text, #text, p{  
    color:rgb(252, 141, 240)  
}
```

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(252, 141, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 141, 240) }
```

Border

The CSS property to change the border of an element to XYZ 65.3979, 46.0365, 87.8772 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(252, 141, 240) }
```


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

```
.border{ border-color:rgb(252, 141, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 141, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 141, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 141, 240);  
box-shadow:4px 4px 4px 4px rgb(252, 141,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3979, 46.0365, 87.8772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 141, 240) }
```

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

```
.background{ background-color: rgb(252,  
141, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor