

Converting Colors

XYZ(89.8402, 59.5285, 81.8401)

Have a look what the booklet for
XYZ(89.8402, 59.5285, 81.8401)
contains.

XYZ(65.4962, 46.9197, 80.4673)	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(65.4962, 46.9197,
80.4673)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90E6
RGB	255, 144, 230
RGB Percent	100%, 56%, 90%
CMY	0.0000, 0.4353, 0.0980
CMYK	0.00, 0.44, 0.10, 0.00
HSL	314°, 100%, 78%
HSV	314°, 44%, 100%
XYZ	65.4962, 46.9197, 80.4673
YIQ	186.9930, 38.5500, 50.2780

Conversions

Conversions Part 2

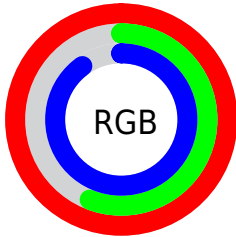
Format	Color
R_{YB}	255, 144, 230
Decimal	16748774
CIE _{Lab}	74.14, 53.11, -25.41
CIE _{LCh}	74, 58.873, 334.430
Yxy	46.9197, 0.3396, 0.2433
Android (android.graphics.Color)	4294938854 (0xFFFF90E6)
YUV	186.9930, 21.2025, 59.6421
Hunter-Lab	68.4980, 50.8062, -21.7018

Details

The XYZ color **65.4962, 46.9197, 80.4673** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.4246, 80.3146, 50.1726**, and the grayscale version is **47.1004, 49.5533, 53.9635**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **34.0611, 22.1041, 42.5157** is the 20% darker color. If you saturate the color by 10%, you get **61.2677, 39.7322, 75.1442**, and if you desaturate by 10%, it is **70.6255, 55.8660, 86.2230**.

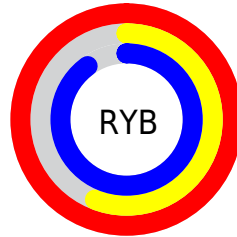
Distribution



Red (100%)

Green (56%)

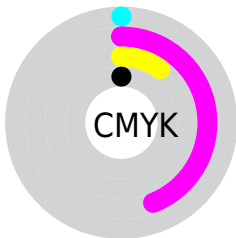
Blue (90%)



Red (100%)

Yellow (56%)

Blue (90%)

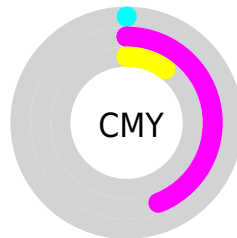


Cyan (0%)

Magenta (44%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4962, 46.9197, 80.4673 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 65.4962, 46.9197, 80.4673 by changing the saturation by 10% instead.


 65.4962, 46.9197,
80.4673


 65.4962, 46.9197,
80.4673


434.0900,
374.4939, 516.2545

 48.1297, 32.9722,
59.5745

 111.8247, 85.5937,
135.8399

 34.1413, 22.1051,
42.6527


 141.5174,
111.0891, 171.1567

 23.1656, 13.9342,
29.2834


176.0496,
141.2024, 212.1187

 14.8372, 8.0749,
19.0479

215.7866,
176.3183, 259.1444

 8.7908, 4.1429,
11.5277

261.0938,
216.8209, 312.6523

 4.6610, 1.7538,
6.3043

312.3366,

 2.0824, 0.4581,

263.0948, 373.0609

2.9592

369.8802,
315.5244, 440.7888

■ 0.6796, 0.0000,
1.0739

■ 0.0000, 0.0000,
0.0000

■ 65.4962, 46.9197,
80.4673

■ 65.4962, 46.9197,
80.4673

■ 61.2677, 39.7322,
75.1442

■ 70.6255, 55.8660,
86.2230

■ 57.8772, 34.1787,
70.2296

■ 76.7067, 66.6731,
92.4278

■ 55.2585, 30.1272,
65.7010

■ 83.7905, 79.4422,
99.1003

■ 53.3340, 27.4227,
61.5311

■ 91.9232, 94.2656,
106.2573

■ 52.0089, 25.8762,
57.6871

95.0500, 100.0000,
108.9000

■ 51.3831, 25.3172,
55.3427

Harmonies

Analogous

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



57.0678, 46.9197, 115.4971



65.4962, 46.9197, 80.4673



68.0150, 46.9197, 46.7331

Triad

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



65.4962, 46.9197, 80.4673



43.0482, 46.9197, 12.3123



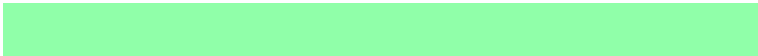
29.8774, 46.9197, 91.4467

Complementary

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



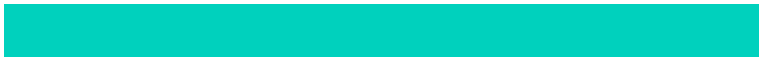
65.4962, 46.9197, 80.4673



54.4246, 80.3146, 50.1726

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.



27.2836, 46.9197, 55.7045



65.4962, 46.9197, 80.4673



34.0877, 46.9197, 16.6040

Square

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



65.4962, 46.9197, 80.4673



53.9304, 46.9197, 14.5731



28.6945, 46.9197, 29.9024



36.4056, 46.9197, 123.3952

Rectangle

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



65.4962, 46.9197, 80.4673



65.7167, 46.9197, 30.6412



28.6945, 46.9197, 29.9024



28.5676, 46.9197, 79.0580

Sweetspot

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



65.4973, 46.9216, 80.4682



84.1924, 80.1713, 99.4652



44.1844, 35.4993, 99.1310



17.6644, 16.5145, 20.9644



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.



65.4973, 46.9216, 80.4682



61.8577, 40.7211, 75.9301



58.9968, 44.3215, 46.2373



18.6073, 18.2262, 21.8151



26.9079, 13.2525, 29.2293



2.6608, 1.3067, 3.0612

Inverse Universe

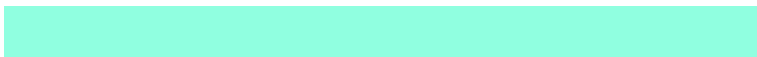
The Inverse Universe completely reimagines the original color for something new.



65.4973, 46.9216, 80.4682



61.8577, 40.7211, 75.9301



60.6565, 82.8074, 82.9892



18.6073, 18.2262, 21.8151



26.9079, 13.2525, 29.2293



2.6608, 1.3067, 3.0612

Previews

White Background



This preview shows how the XYZ color 65.4962, 46.9197, 80.4673 looks on a white background.

Color Contrast Check

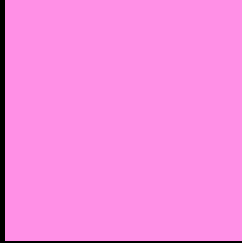
Large Text (above 18pt) WCAG AA × Fail

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 65.4962, 46.9197, 80.4673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

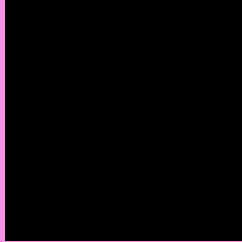
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.4962, 46.9197, 80.4673

Background



This preview shows how black text looks on a background with the XYZ color 65.4962, 46.9197, 80.4673.



This preview shows how white text looks on a background with the XYZ color 65.4962, 46.9197,

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

65.4962, 46.9197, 80.4673

Protanopia

48.8685, 47.3361, 101.1689

Deuteranopia

48.3970, 47.3253, 77.1049



Tritanopia

57.9298, 46.9350, 43.5422

Trichromacy



Original Color

65.4962, 46.9197, 80.4673



Protanomaly

52.9589, 45.8934, 93.2558



Deuteranomaly

53.0958, 46.0288, 78.0375



Tritanomaly

60.4159, 46.7273, 55.1252

Monochromacy



Original Color

65.4962, 46.9197, 80.4673



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

52.4938, 47.4347, 62.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4962, 46.9197, 80.4673 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, 144, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 230)  
}
```

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, 144, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 230) }
```

Border

The CSS property to change the border of an element to XYZ 65.4962, 46.9197, 80.4673 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, 144, 230) }
```


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

```
.border{ border-color:rgb(255, 144, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4962, 46.9197, 80.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 230) }
```

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

```
.background{ background-color: rgb(255,  
144, 230) }
```

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