

Converting Colors

XYZ(89.8764, 59.7701, 78.2377)

Have a look what the booklet for
XYZ(89.8764, 59.7701, 78.2377)
contains.

XYZ(64.9560, 46.9470, 76.8723)	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(64.9560, 46.9470,
76.8723)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91E1
RGB	255, 145, 225
RGB Percent	100%, 57%, 88%
CMY	0.0000, 0.4313, 0.1176
CMYK	0.00, 0.43, 0.12, 0.00
HSL	316°, 100%, 78%
HSV	316°, 43%, 100%
XYZ	64.9560, 46.9470, 76.8723
YIQ	187.0100, 39.8800, 48.2000

Conversions

Conversions Part 2

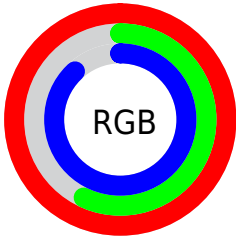
Format	Color
R_{YB}	255, 145, 225
Decimal	16749025
CIE _{Lab}	74.16, 51.81, -22.65
CIE _{LCh}	74, 56.547, 336.391
Y _{xy}	46.9470, 0.3441, 0.2487
Android (android.graphics.Color)	4294939105 (0xFFFF91E1)
YUV	187.0100, 18.7291, 59.6272
Hunter-Lab	68.5179, 49.3144, -18.5567

Details

The XYZ color **64.9560, 46.9470, 76.8723** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.1765, 80.6357, 53.2163**, and the grayscale version is **47.1229, 49.5769, 53.9893**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **33.7617, 22.1202, 40.5204** is the 20% darker color. If you saturate the color by 10%, you get **60.5582, 39.6388, 70.8206**, and if you desaturate by 10%, it is **70.2690, 56.0233, 83.4209**.

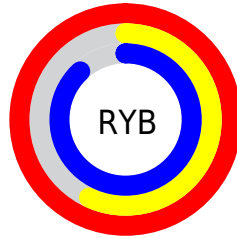
Distribution



Red (100%)

Green (57%)

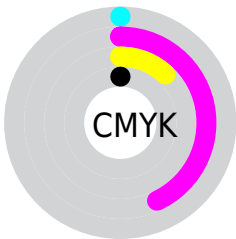
Blue (88%)



Red (100%)

Yellow (57%)

Blue (88%)

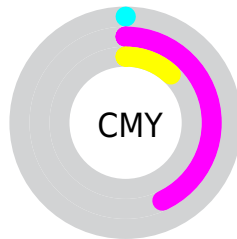


Cyan (0%)

Magenta (43%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (43%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.9560, 46.9470, 76.8723 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 64.9560, 46.9470, 76.8723 by changing the saturation by 10% instead.

 64.9560, 46.9470,
76.8723


 64.9560, 46.9470,
76.8723


432.1815,
374.6029, 503.7546

 47.6900, 32.9938,
56.6371

 111.0527, 85.6345,
130.7306

 33.7917, 22.1217,
40.3066


 140.6140,
111.1376, 165.1908

 22.8957, 13.9463,
27.4620


175.0045,
141.2593, 205.2297

 14.6368, 8.0833,
17.6850

214.5895,
176.3842, 251.2659

 8.6495, 4.1483,
10.5570

259.7343,
216.8967, 303.7180

 4.5686, 1.7569,
5.6594

310.8044,

 2.0286, 0.4601,

263.1810, 363.0044

2.5737

368.1650,
315.6216, 429.5438

■ 0.6499, 0.0000,
0.8788

■ 0.0000, 0.0000,
0.0000

■ 64.9560, 46.9470,
76.8723

■ 64.9560, 46.9470,
76.8723

■ 60.5582, 39.6388,
70.8206

■ 70.2690, 56.0233,
83.4209

■ 57.0126, 33.9742,
65.2409

■ 76.5481, 66.9693,
90.4838

■ 54.2534, 29.8219,
60.1095

■ 83.8441, 79.8861,
98.0807

■ 52.2030, 27.0278,
55.3982

■ 92.2036, 94.8657,
106.2293

■ 50.7675, 25.4044,
51.0733

95.0500, 100.0000,
108.9000

■ 50.0448, 24.7819,
48.2956

Harmonies

Analogous

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



57.2050, 46.9470, 110.4589



64.9560, 46.9470, 76.8723



66.9140, 46.9470, 45.1554

Triad

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



64.9560, 46.9470, 76.8723



42.4883, 46.9470, 13.3048



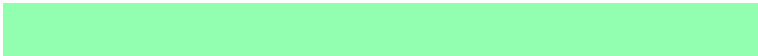
30.7064, 46.9470, 91.8727

Complementary

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



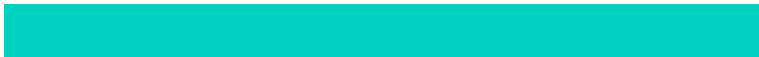
64.9560, 46.9470, 76.8723



55.1765, 80.6357, 53.2163

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.



27.9281, 46.9470, 57.5822



64.9560, 46.9470, 76.8723



34.0339, 46.9470, 18.0769

Square

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



64.9560, 46.9470, 76.8723



52.8863, 46.9470, 15.1459



29.0471, 46.9470, 31.8723



37.2664, 46.9470, 121.1670

Rectangle

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



64.9560, 46.9470, 76.8723



64.4439, 46.9470, 30.1138



29.0471, 46.9470, 31.8723



29.3484, 46.9470, 80.1401

Sweetspot

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



64.9571, 46.9490, 76.8732



83.9497, 80.0742, 98.1869



45.7073, 36.5102, 99.2459



17.6041, 16.4903, 20.6468



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.



64.9571, 46.9490, 76.8732



61.0133, 40.3833, 71.4833



58.6857, 44.4404, 43.8488



18.5688, 18.2108, 21.6126



26.2155, 12.9755, 25.5832



2.5985, 1.2818, 2.7329

Inverse Universe

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



64.9571, 46.9490, 76.8732



61.0133, 40.3833, 71.4833



61.6278, 83.2162, 87.1883



18.5688, 18.2108, 21.6126



26.2155, 12.9755, 25.5832



2.5985, 1.2818, 2.7329

Previews

White Background



This preview shows how the XYZ color 64.9560, 46.9470, 76.8723 looks on a white background.

Color Contrast Check

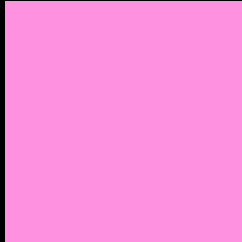
Large Text (above 18pt) WCAG AA × Fail

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 64.9560, 46.9470, 76.8723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

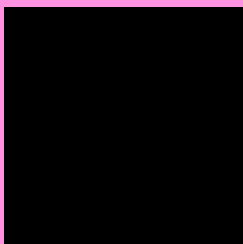
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9560, 46.9470, 76.8723

Background



This preview shows how black text looks on a background with the XYZ color 64.9560, 46.9470, 76.8723.



This preview shows how white text looks on a background with the XYZ color 64.9560, 46.9470,

76.8723.

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

64.9560, 46.9470, 76.8723

Protanopia

48.6341, 47.2889, 97.8312

Deuteranopia

48.4347, 47.4220, 73.6184



Tritanopia

58.1918, 47.0808, 43.0663

Trichromacy



Original Color

64.9560, 46.9470, 76.8723



Protanomaly

52.6107, 45.7840, 90.0687



Deuteranomaly

53.1644, 46.4132, 74.5632



Tritanomaly

60.3602, 46.9658, 54.0281

Monochromacy



Original Color

64.9560, 46.9470, 76.8723



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

52.4465, 47.7191, 61.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9560, 46.9470, 76.8723 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, 145, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 225)  
}
```

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, 145, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 225) }
```

Border

The CSS property to change the border of an element to XYZ 64.9560, 46.9470, 76.8723 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, 145, 225) }
```


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

```
.border{ border-color:rgb(255, 145, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9560, 46.9470, 76.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 225) }
```

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

```
.background{ background-color: rgb(255,  
145, 225) }
```

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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