

Converting Colors

XYZ(117.1450, 73.6357,
78.3349)

Have a look what the booklet for
XYZ(117.1450, 73.6357, 78.3349)
contains.

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Color

**XYZ(64.6678, 46.5883,
76.1051)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90E0
RGB	255, 144, 224
RGB Percent	100%, 56%, 88%
CMY	0.0000, 0.4353, 0.1216
CMYK	0.00, 0.44, 0.12, 0.00
HSL	317°, 100%, 78%
HSV	317°, 44%, 100%
XYZ	64.6678, 46.5883, 76.1051
YIQ	186.3090, 40.4760, 48.4120

Conversions

Conversions Part 2

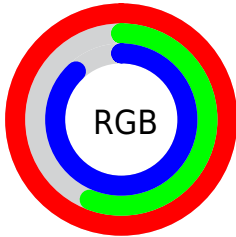
Format	Color
R_{YB}	255, 144, 224
Decimal	16748768
CIE _{Lab}	73.93, 52.15, -22.45
CIE _{LCh}	74, 56.780, 336.711
Yxy	46.5883, 0.3452, 0.2487
Android (android.graphics.Color)	4294938848 (0xFFFF90E0)
YUV	186.3090, 18.5817, 60.2420
Hunter-Lab	68.2556, 49.6699, -18.3295

Details

The XYZ color **64.6678, 46.5883, 76.1051** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.0011, 80.5452, 53.2081**, and the grayscale version is **46.7297, 49.1632, 53.5388**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **33.5825, 21.9127, 39.9957** is the 20% darker color. If you saturate the color by 10%, you get **60.2869, 39.3399, 69.9791**, and if you desaturate by 10%, it is **69.9635, 55.6011, 82.7368**.

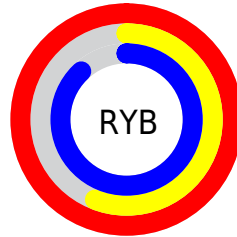
Distribution



Red (100%)

Green (56%)

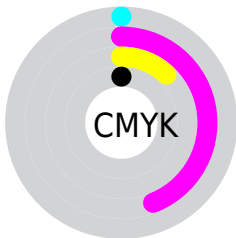
Blue (88%)



Red (100%)

Yellow (56%)

Blue (88%)

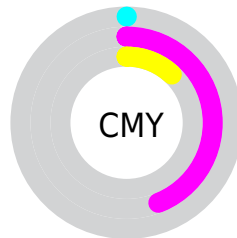


Cyan (0%)

Magenta (44%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6678, 46.5883, 76.1051 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 64.6678, 46.5883, 76.1051 by changing the saturation by 10% instead.

64.6678, 46.5883,
76.1051

64.6678, 46.5883,
76.1051

431.1613,
373.1688, 501.0638

47.4555, 32.7103,
56.0115

110.6405, 85.0988,
129.6369

33.6053, 21.9046,
39.8081

140.1316,
110.5000, 163.9122

22.7520, 13.7868,
27.0763

174.4462,
140.5111, 203.7519

14.5302, 7.9726,
17.3976

213.9499,
175.5166, 249.5744

8.5745, 4.0774,
10.3534

259.0079,
215.9006, 301.7983

4.5196, 1.7169,
5.5253

309.9855,

2.0001, 0.4346,

262.0478, 360.8421

2.4945

367.2482,
314.3423, 427.1244

■ 0.6340, 0.0000,
0.8373

■ 0.0000, 0.0000,
0.0000

■ 64.6678, 46.5883,
76.1051

■ 64.6678, 46.5883,
76.1051

■ 60.2869, 39.3399,
69.9791

■ 69.9635, 55.6011,
82.7368

■ 56.7575, 33.7308,
64.3336

■ 76.2251, 66.4804,
89.8919

■ 54.0135, 29.6292,
59.1446

■ 83.5037, 79.3275,
97.5903

■ 51.9767, 26.8798,
54.3836

■ 91.8458, 94.2346,
105.8499

■ 50.5523, 25.2935, 95.0500, 100.0000,
50.0164 108.9000

■ 49.8689, 24.7115,
47.3690

Harmonies

Analogous

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



56.9618, 46.5883, 109.8039



64.6678, 46.5883, 76.1051



66.5551, 46.5883, 44.4885

Triad

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



64.6678, 46.5883, 76.1051



42.0453, 46.5883, 13.0679



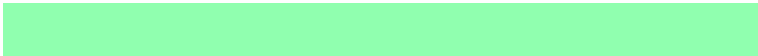
30.4410, 46.5883, 91.8672

Complementary

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



64.6678, 46.5883, 76.1051



55.0011, 80.5452, 53.2081

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.



27.6298, 46.5883, 57.5225



64.6678, 46.5883, 76.1051



33.6370, 46.5883, 17.8823

Square

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



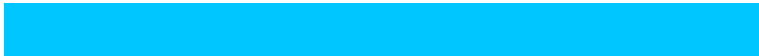
64.6678, 46.5883, 76.1051



52.4286, 46.5883, 14.8251



28.7038, 46.5883, 31.7290



37.0241, 46.5883, 121.0671

Rectangle

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



64.6678, 46.5883, 76.1051



64.0376, 46.5883, 29.5734



28.7038, 46.5883, 31.7290



29.0732, 46.5883, 80.1274

Sweetspot

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



64.6689, 46.5903, 76.1060



83.9164, 80.0609, 98.0114



45.3918, 36.1217, 99.1875



17.5958, 16.4870, 20.6032



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.



64.6689, 46.5903, 76.1060



60.8993, 40.3377, 70.8829



58.4609, 44.1071, 43.4153



18.5636, 18.2087, 21.5848



26.1244, 12.9390, 25.1033



2.5902, 1.2785, 2.6894

Inverse Universe

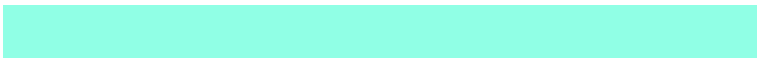
The Inverse Universe completely reimagines the original color for something new.



64.6689, 46.5903, 76.1060



60.8993, 40.3377, 70.8829



61.4197, 83.1127, 87.0082



18.5636, 18.2087, 21.5848



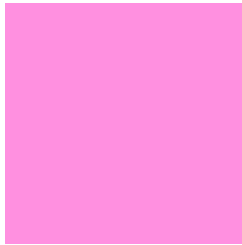
26.1244, 12.9390, 25.1033



2.5902, 1.2785, 2.6894

Previews

White Background



This preview shows how the XYZ color 64.6678, 46.5883, 76.1051 looks on a white background.

Color Contrast Check

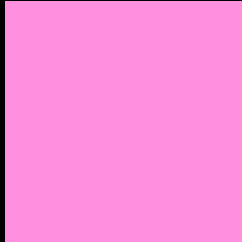
Large Text (above 18pt) WCAG AA × Fail

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 64.6678, 46.5883, 76.1051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

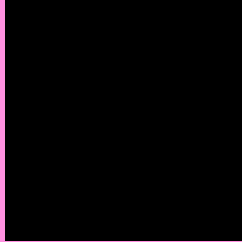
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6678, 46.5883, 76.1051

Background



This preview shows how black text looks on a background with the XYZ color 64.6678, 46.5883, 76.1051.



This preview shows how white text looks on a background with the XYZ color 64.6678, 46.5883,

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

64.6678, 46.5883, 76.1051

Protanopia

48.2745, 47.1217, 96.9935

Deuteranopia

47.8667, 46.8478, 72.8494



Tritanopia

57.9304, 46.7067, 42.5212

Trichromacy



Original Color

64.6678, 46.5883, 76.1051



Protanomaly

52.2016, 45.5904, 89.2676



Deuteranomaly

52.8490, 45.9951, 73.8026



Tritanomaly

60.0890, 46.5965, 53.4039

Monochromacy



Original Color

64.6678, 46.5883, 76.1051



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

51.8522, 47.1448, 61.0105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6678, 46.5883, 76.1051 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 224) }
```

Border

The CSS property to change the border of an element to XYZ 64.6678, 46.5883, 76.1051 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, 224) }
```


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

```
.border{ border-color:rgb(255, 144, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6678, 46.5883, 76.1051 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
144, 224) }
```

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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