

Converting Colors

XYZ(81.9756, 59.8710, 71.9810)

Have a look what the booklet for
XYZ(81.9756, 59.8710, 71.9810)
contains.

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Color

**XYZ(66.3795, 51.7076,
71.4477)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA1D8
RGB	255, 161, 216
RGB Percent	100%, 63%, 85%
CMY	0.0000, 0.3686, 0.1529
CMYK	0.00, 0.37, 0.15, 0.00
HSL	325°, 100%, 82%
HSV	325°, 37%, 100%
XYZ	66.3795, 51.7076, 71.4477
YIQ	195.3760, 38.3690, 37.0330

Conversions

Conversions Part 2

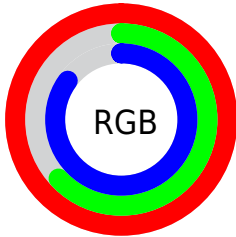
Format	Color
RYB	255, 161, 216
Decimal	16753112
CIELab	77.11, 42.29, -13.27
CIELCh	77, 44.326, 342.581
Yxy	51.7076, 0.3502, 0.2728
Android (android.graphics.Color)	4294943192 (0xFFFFA1D8)
YUV	195.3760, 10.1676, 52.2902
Hunter-Lab	71.9080, 38.9374, -8.5749

Details

The XYZ color **66.3795, 51.7076, 71.4477** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.8852, 83.2681, 67.5102**, and the grayscale version is **52.0224, 54.7316, 59.6027**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **34.7167, 24.9589, 36.7060** is the 20% darker color. If you saturate the color by 10%, you get **61.0451, 43.1577, 63.1371**, and if you desaturate by 10%, it is **72.7131, 62.1145, 80.5272**.

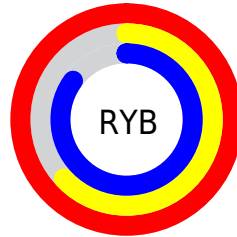
Distribution



Red (100%)

Green (63%)

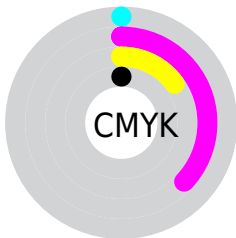
Blue (85%)



Red (100%)

Yellow (63%)

Blue (85%)

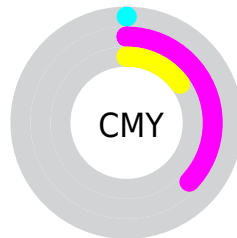


Cyan (0%)

Magenta (37%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3795, 51.7076, 71.4477 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 66.3795, 51.7076, 71.4477 by changing the saturation by 10% instead.


 66.3795, 51.7076,
71.4477


 66.3795, 51.7076,
71.4477


437.2002,
393.3067, 484.5427

 48.8494, 36.7721,
52.2236

 113.0856, 92.6999,
122.9714

 34.7141, 25.0311,
36.7998


 142.9922,
119.5254, 156.1080

 23.6082, 16.1002,
24.7580


177.7551,
151.0830, 194.7192

 15.1664, 9.5951,
15.6795

217.7395,
187.7572, 239.2235

 9.0233, 5.1313,
9.1457

263.3109,
229.9322, 290.0395

 4.8136, 2.3245,
4.7382

314.8346,

 2.1720, 0.7866,

277.9926, 347.5856

2.0385

372.6759,
332.3226, 412.2805

■ 0.7279, 0.0000,
0.5788

■ 0.0000, 0.0000,
0.0000

■ 66.3795, 51.7076,
71.4477

■ 66.3795, 51.7076,
71.4477

■ 61.0451, 43.1577,
63.1371

■ 72.7131, 62.1145,
80.5272

■ 56.6489, 36.3461,
55.5650

■ 80.0947, 74.4740,
90.3979

■ 53.1288, 31.1511,
48.7031

■ 88.5742, 88.8833,
101.0848

■ 50.4131, 27.4321,
42.5189

95.0500, 100.0000,
108.9000

■ 48.4178, 25.0240,
36.9754

■ 47.0371, 23.7179,
32.0282

■ 46.6806, 23.4362,
30.5799

Harmonies

Analogous

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



61.0094, 51.7076, 98.0964



66.3795, 51.7076, 71.4477



66.8151, 51.7076, 46.7405

Triad

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



66.3795, 51.7076, 71.4477



45.6839, 51.7076, 21.9474



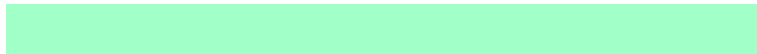
38.1045, 51.7076, 94.1213

Complementary

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



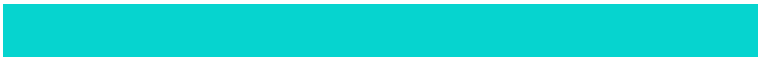
66.3795, 51.7076, 71.4477



60.8852, 83.2681, 67.5102

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.



34.9046, 51.7076, 67.0832



66.3795, 51.7076, 71.4477



38.9306, 51.7076, 28.4691

Square

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



66.3795, 51.7076, 71.4477



54.1843, 51.7076, 22.4956



35.1885, 51.7076, 43.4619



44.4311, 51.7076, 113.5540

Rectangle

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



66.3795, 51.7076, 71.4477



64.1852, 51.7076, 34.7354



35.1885, 51.7076, 43.4619



36.6620, 51.7076, 85.3349

Sweetspot

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



66.3808, 51.7099, 71.4487



84.9278, 82.6638, 96.5602



54.2442, 44.7999, 100.3960



17.9314, 17.2743, 20.3573



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.



66.3808, 51.7099, 71.4487



62.4727, 45.4210, 65.4377



61.2801, 49.6696, 44.5891



18.4552, 18.1654, 21.0142



24.4678, 12.2764, 16.3795



2.4368, 1.2171, 1.8815

Inverse Universe

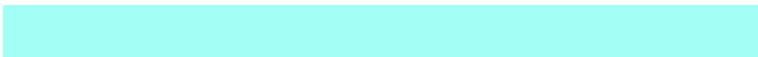
The Inverse Universe completely reimagines the original color for something new.



66.3808, 51.7099, 71.4487



62.4727, 45.4210, 65.4377



67.0325, 85.7270, 99.8817



18.4552, 18.1654, 21.0142



24.4678, 12.2764, 16.3795



2.4368, 1.2171, 1.8815

Previews

White Background



This preview shows how the XYZ color 66.3795, 51.7076, 71.4477 looks on a white background.

Color Contrast Check

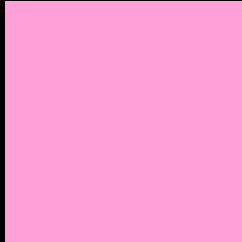
Large Text (above 18pt) WCAG AA × Fail

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 66.3795, 51.7076, 71.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

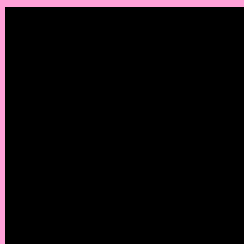
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3795, 51.7076, 71.4477

Background



This preview shows how black text looks on a background with the XYZ color 66.3795, 51.7076, 71.4477.



This preview shows how white text looks on a background with the XYZ color 66.3795, 51.7076,

71.4477.

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

66.3795, 51.7076, 71.4477

Protanopia

52.0154, 52.0966, 85.9114

Deuteranopia

53.2620, 52.1506, 69.5462



Tritanopia

62.0245, 51.8098, 49.9113

Trichromacy



Original Color

66.3795, 51.7076, 71.4477



Protanomaly

55.8558, 51.1070, 80.3195



Deuteranomaly

57.2476, 51.4640, 69.8671



Tritanomaly

63.2257, 51.4560, 57.0517

Monochromacy



Original Color

66.3795, 51.7076, 71.4477



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.3283, 52.9305, 63.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3795, 51.7076, 71.4477 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, 161, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 216)  
}
```

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, 161, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 216) }
```

Border

The CSS property to change the border of an element to XYZ 66.3795, 51.7076, 71.4477 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, 161, 216) }
```


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

```
.border{ border-color:rgb(255, 161, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3795, 51.7076, 71.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 216) }
```

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

```
.background{ background-color: rgb(255,  
161, 216) }
```

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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