

Converting Colors

XYZ(66.6459, 47.3796, 86.5215)

Have a look what the booklet for
XYZ(66.6459, 47.3796, 86.5215)
contains.

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Color

**XYZ(66.6459, 47.3796,
86.5215)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90EE
RGB	255, 144, 238
RGB Percent	100%, 56%, 93%
CMY	0.0000, 0.4353, 0.0667
CMYK	0.00, 0.44, 0.07, 0.00
HSL	309°, 100%, 78%
HSV	309°, 44%, 100%
XYZ	66.6459, 47.3796, 86.5215
YIQ	187.9050, 35.9820, 52.7660

Conversions

Conversions Part 2

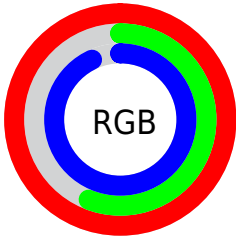
Format	Color
R _Y B	255, 144, 238
Decimal	16748782
CIE _{Lab}	74.43, 54.41, -29.33
CIE _{LCh}	74, 61.812, 331.673
Yxy	47.3796, 0.3323, 0.2363
Android (android.graphics.Color)	4294938862 (0xFFFF90EE)
YUV	187.9050, 24.6968, 58.8423
Hunter-Lab	68.8328, 52.3713, -26.3434

Details

The XYZ color **66.6459, 47.3796, 86.5215** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.6962, 80.0233, 46.3367**, and the grayscale version is **47.5973, 50.0761, 54.5329**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **34.8646, 22.4255, 46.7470** is the 20% darker color. If you saturate the color by 10%, you get **62.6432, 40.2824, 82.3874**, and if you desaturate by 10%, it is **71.5353, 56.2299, 91.0138**.

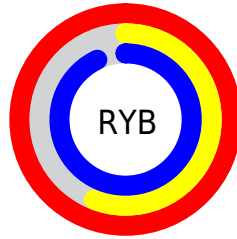
Distribution



Red (100%)

Green (56%)

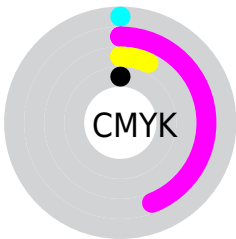
Blue (93%)



Red (100%)

Yellow (56%)

Blue (93%)

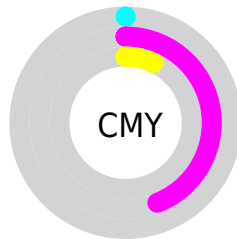


Cyan (0%)

Magenta (44%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.6459, 47.3796, 86.5215 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 66.6459, 47.3796, 86.5215 by changing the saturation by 10% instead.


 66.6459, 47.3796,
86.5215


 66.6459, 47.3796,
86.5215


438.1356,
376.3277, 536.9246

 49.0666, 33.3358,
64.5419


 113.4655, 86.2800,
144.3900

 34.8870, 22.3838,
46.6408


 143.4364,
111.9054, 181.1160

 23.7420, 14.1392,
32.3994


178.2686,
142.1601, 223.5945

 15.2660, 8.2176,
21.3994

218.3274,
177.4286, 272.2442

 9.0938, 4.2345,
13.2222

263.9781,
218.0952, 327.4835

 4.8600, 1.8056,
7.4492

315.5862,

 2.1993, 0.4906,

264.5443, 389.7309

3.6619

373.5169,
317.1604, 459.4051

■ 0.7424, 0.0000,
1.4418

■ 0.0000, 0.0000,
0.1740

■ 66.6459, 47.3796,
86.5215

■ 66.6459, 47.3796,
86.5215

■ 62.6432, 40.2824,
82.3874

■ 71.5353, 56.2299,
91.0138

■ 59.4645, 34.8137,
78.5885

■ 77.3622, 66.9353,
95.8797

■ 57.0439, 30.8414,
75.1028

■ 84.1773, 79.5970,
101.1372

■ 55.3039, 28.2107,
71.9043

■ 92.0267, 94.3069,
106.8021

■ 54.1499, 26.7326, 95.0500, 100.0000,
68.9610 108.9000

■ 53.6277, 26.2151,
67.1625

Harmonies

Analogous

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



57.2444, 47.3796, 123.4044



66.6459, 47.3796, 86.5215



70.0210, 47.3796, 49.8176

Triad

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



66.6459, 47.3796, 86.5215



44.4103, 47.3796, 11.3520



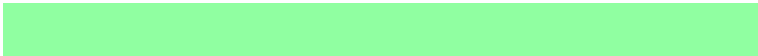
29.1502, 47.3796, 90.9757

Complementary

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



66.6459, 47.3796, 86.5215



53.6962, 80.0233, 46.3367

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.



26.8335, 47.3796, 53.4005



66.6459, 47.3796, 86.5215



34.6946, 47.3796, 15.0077

Square

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



66.6459, 47.3796, 86.5215



55.9825, 47.3796, 14.2349



28.6846, 47.3796, 27.6083



35.6131, 47.3796, 126.6364

Rectangle

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



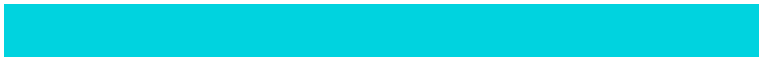
66.6459, 47.3796, 86.5215



68.0199, 47.3796, 32.0848



28.6846, 47.3796, 27.6083



27.9137, 47.3796, 77.7270

Sweetspot

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



66.6470, 47.3815, 86.5225



84.5647, 80.3202, 101.4255



42.6528, 34.7097, 99.0593



17.7571, 16.5515, 21.4524



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.



66.6470, 47.3815, 86.5225



63.1996, 41.2579, 82.9966



59.7463, 44.6212, 50.1839



18.6661, 18.2497, 22.1246



28.0668, 13.7160, 35.3316



2.7637, 1.3478, 3.6029

Inverse Universe

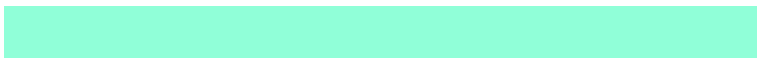
The Inverse Universe completely reimagines the original color for something new.



66.6470, 47.3815, 86.5225



63.1996, 41.2579, 82.9966



59.6771, 82.4156, 77.8314



18.6661, 18.2497, 22.1246



28.0668, 13.7160, 35.3316



2.7637, 1.3478, 3.6029

Previews

White Background



This preview shows how the XYZ color 66.6459, 47.3796, 86.5215 looks on a white background.

Color Contrast Check

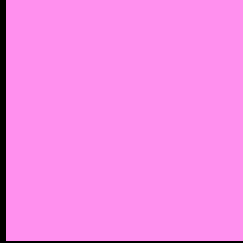
Large Text (above 18pt) WCAG AA × Fail

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 66.6459, 47.3796, 86.5215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

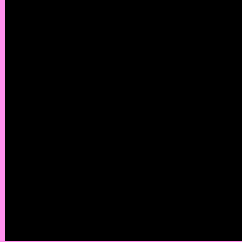
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.6459, 47.3796, 86.5215

Background



This preview shows how black text looks on a background with the XYZ color 66.6459, 47.3796, 86.5215.



This preview shows how white text looks on a background with the XYZ color 66.6459, 47.3796,

86.5215.

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

66.6459, 47.3796, 86.5215

Protanopia

49.2718, 47.8448, 101.2458

Deuteranopia

48.7912, 47.6988, 82.9791



Tritanopia

57.8403, 47.1302, 44.0787

Trichromacy



Original Color

66.6459, 47.3796, 86.5215



Protanomaly

53.6072, 46.4469, 95.7623



Deuteranomaly

53.8468, 46.5571, 83.9903



Tritanomaly

60.6659, 47.0466, 57.5132

Monochromacy



Original Color

66.6459, 47.3796, 86.5215



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

53.0445, 47.9583, 64.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6459, 47.3796, 86.5215 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 238) }
```

Border

The CSS property to change the border of an element to XYZ 66.6459, 47.3796, 86.5215 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, 238) }
```


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

```
.border{ border-color:rgb(255, 144, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6459, 47.3796, 86.5215 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
144, 238) }
```

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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