

Converting Colors

XYZ(89.6135, 60.0828, 81.6491)

Have a look what the booklet for
XYZ(89.6135, 60.0828, 81.6491)
contains.

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Color

**XYZ(65.9566, 47.8406,
80.6208)**

Conversions

Conversions Part 1

Format	Color
Hex	FF93E6
RGB	255, 147, 230
RGB Percent	100%, 58%, 90%
CMY	0.0000, 0.4235, 0.0980
CMYK	0.00, 0.42, 0.10, 0.00
HSL	314°, 100%, 79%
HSV	314°, 42%, 100%
XYZ	65.9566, 47.8406, 80.6208
YIQ	188.7540, 37.7250, 48.7090

Conversions

Conversions Part 2

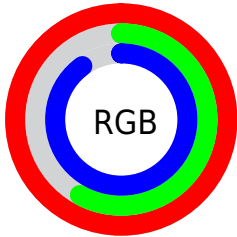
Format	Color
R _{YB}	255, 147, 230
Decimal	16749542
CIE _{Lab}	74.72, 51.61, -24.52
CIE _{LCh}	75, 57.140, 334.593
Yxy	47.8406, 0.3393, 0.2461
Android (android.graphics.Color)	4294939622 (0xFFFF93E6)
YUV	188.7540, 20.3343, 58.0977
Hunter-Lab	69.1669, 49.1731, -20.6915

Details

The XYZ color **65.9566, 47.8406, 80.6208** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.2407, 80.7024, 51.6981**, and the grayscale version is **48.1030, 50.6081, 55.1123**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **34.3193, 22.6205, 42.6018** is the 20% darker color. If you saturate the color by 10%, you get **61.6069, 40.4453, 75.1504**, and if you desaturate by 10%, it is **71.2154, 57.0087, 86.5339**.

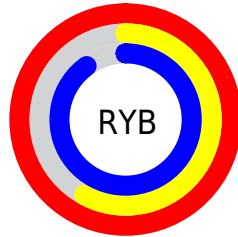
Distribution



Red (100%)

Green (58%)

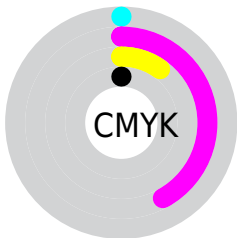
Blue (90%)



Red (100%)

Yellow (58%)

Blue (90%)

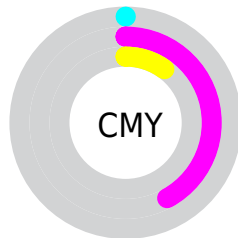


Cyan (0%)

Magenta (42%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (42%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9566, 47.8406, 80.6208 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 65.9566, 47.8406, 80.6208 by changing the saturation by 10% instead.


 65.9566, 47.8406,
80.6208


 65.9566, 47.8406,
80.6208


435.7127,
378.1600, 516.7843

 48.5047, 33.7007,
59.7002

 112.4821, 86.9670,
136.0575

 34.4397, 22.6637,
42.7533


 142.2865,
112.7223, 171.4106

 23.3961, 14.3454,
29.3616


176.9391,
143.1182, 212.4116

 15.0085, 8.3613,
19.1066

216.8052,
178.5390, 259.4791

 8.9117, 4.3270,
11.5698

262.2503,
219.3692, 313.0316

 4.7403, 1.8581,
6.3325

313.6397,

 2.1289, 0.5230,

265.9932, 373.4876

2.9762

371.3387,
318.7953, 441.2657

■ 0.7048, 0.0000,
1.0825

■ 0.0000, 0.0000,
0.0000

■ 65.9566, 47.8406,
80.6208

■ 65.9566, 47.8406,
80.6208

■ 61.6069, 40.4453,
75.1504

■ 71.2154, 57.0087,
86.5339

■ 58.1039, 34.6991,
70.0988

■ 77.4335, 68.0502,
92.9061

■ 55.3825, 30.4722,
65.4435

■ 84.6614, 81.0656,
99.7560

■ 53.3666, 27.6124,
61.1577

■ 92.9450, 96.1462,
107.1003

■ 51.9638, 25.9360,
57.2094

95.0500, 100.0000,
108.9000

■ 51.2005, 25.2442,
54.3812

Harmonies

Analogous

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



57.7524, 47.8406, 114.6301



65.9566, 47.8406, 80.6208



68.3737, 47.8406, 47.6511

Triad

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



65.9566, 47.8406, 80.6208



43.8934, 47.8406, 13.3931



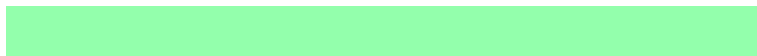
30.9572, 47.8406, 91.6865

Complementary

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



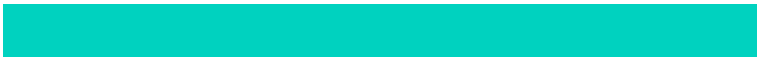
65.9566, 47.8406, 80.6208



55.2407, 80.7024, 51.6981

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.



28.3560, 47.8406, 56.7970



65.9566, 47.8406, 80.6208



35.0673, 47.8406, 17.8126

Square

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



65.9566, 47.8406, 80.6208



54.5701, 47.8406, 15.6693



29.7382, 47.8406, 31.2366



37.4442, 47.8406, 122.5399

Rectangle

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



65.9566, 47.8406, 80.6208



66.1099, 47.8406, 31.7616



29.7382, 47.8406, 31.2366



29.6483, 47.8406, 79.6425

Sweetspot

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



65.9578, 47.8426, 80.6218



84.1604, 80.1585, 99.2963



45.1499, 36.6807, 99.3082



17.6564, 16.5113, 20.9224



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.



65.9578, 47.8426, 80.6218



62.1436, 41.3451, 75.8643



59.6709, 45.3279, 47.5157



18.6022, 18.2242, 21.7883



26.8135, 13.2147, 28.7322



2.6524, 1.3033, 3.0167

Inverse Universe

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



65.9578, 47.8426, 80.6218



62.1436, 41.3451, 75.8643



61.3029, 83.1273, 83.6212



18.6022, 18.2242, 21.7883



26.8135, 13.2147, 28.7322



2.6524, 1.3033, 3.0167

Previews

White Background



This preview shows how the XYZ color 65.9566, 47.8406, 80.6208 looks on a white background.

Color Contrast Check

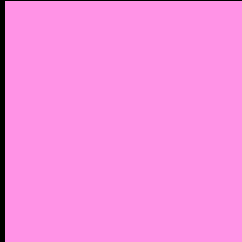
Large Text (above 18pt) WCAG AA × Fail

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 65.9566, 47.8406, 80.6208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

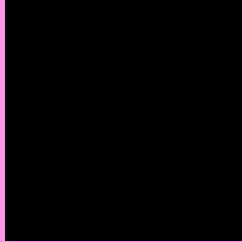
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9566, 47.8406, 80.6208

Background



This preview shows how black text looks on a background with the XYZ color 65.9566, 47.8406, 80.6208.



This preview shows how white text looks on a background with the XYZ color 65.9566, 47.8406,

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

65.9566, 47.8406, 80.6208

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.0672, 47.9694, 77.1939



Tritanopia

58.4602, 47.6930, 44.6526

Trichromacy



Original Color

65.9566, 47.8406, 80.6208



Protanomaly

53.5875, 46.7655, 93.3911



Deuteranomaly

54.0246, 47.0516, 78.1860



Tritanomaly

61.0194, 47.7577, 55.8713

Monochromacy



Original Color

65.9566, 47.8406, 80.6208



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.4757, 48.7779, 63.7233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9566, 47.8406, 80.6208 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, 147, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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, 147, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 230) }
```

Border

The CSS property to change the border of an element to XYZ 65.9566, 47.8406, 80.6208 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, 147, 230) }
```


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

```
.border{ border-color:rgb(255, 147, 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, 147, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9566, 47.8406, 80.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 230) }
```

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

```
.background{ background-color: rgb(255,  
147, 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](#).

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