

Converting Colors

XYZ(90.5449, 61.6476, 83.0618)

Have a look what the booklet for
XYZ(90.5449, 61.6476, 83.0618)
contains.

XYZ(66.8920, 49.4860, 81.6275)	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(66.8920, 49.4860,
81.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	FF98E7
RGB	255, 152, 231
RGB Percent	100%, 60%, 91%
CMY	0.0000, 0.4039, 0.0941
CMYK	0.00, 0.40, 0.09, 0.00
HSL	314°, 100%, 80%
HSV	314°, 40%, 100%
XYZ	66.8920, 49.4860, 81.6275
YIQ	191.8030, 36.0290, 46.4050

Conversions

Conversions Part 2

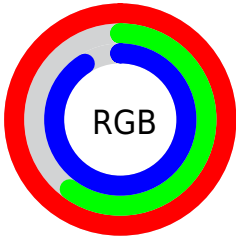
Format	Color
R _Y B	255, 152, 231
Decimal	16750823
CIE Lab	75.75, 49.26, -23.49
CIE LCh	76, 54.578, 334.505
Yxy	49.4860, 0.3378, 0.2499
Android (android.graphics.Color)	4294940903 (0xFFFF98E7)
YUV	191.8030, 19.3241, 55.4238
Hunter-Lab	70.3463, 46.6289, -19.5558

Details

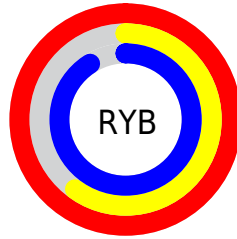
The XYZ color **66.8920, 49.4860, 81.6275** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.5471, 81.3308, 53.7951**, and the grayscale version is **49.8655, 52.4624, 57.1316**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **35.1315, 23.7008, 43.2805** is the 20% darker color. If you saturate the color by 10%, you get **62.3644, 41.7510, 76.0482**, and if you desaturate by 10%, it is **72.3400, 59.0157, 87.6554**.

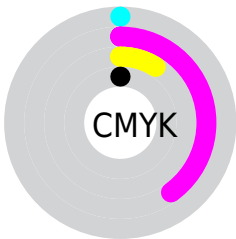
Distribution



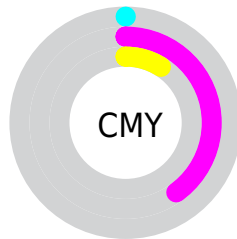
- Red (100%)
- Green (60%)
- Blue (91%)



- Red (100%)
- Yellow (60%)
- Blue (91%)



- Cyan (0%)
- Magenta (40%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8920, 49.4860, 81.6275 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 66.8920, 49.4860, 81.6275 by changing the saturation by 10% instead.


 66.8920, 49.4860,
81.6275

 66.8920, 49.4860,
81.6275


438.9988,
384.6525, 520.2515

 49.2672, 35.0052,
60.5245

 113.8163, 89.4128,
137.4835

 35.0469, 23.6669,
43.4135


 143.8465,
115.6276, 173.0736

 23.8657, 15.0867,
29.8759


178.7427,
146.5225, 214.3298

 15.3582, 8.8802,
19.4931

218.8700,
182.4819, 261.6707

 9.1591, 4.6631,
11.8467

264.5939,
223.8902, 315.5147

 4.9031, 2.0510,
6.5181

316.2798,

 2.2247, 0.6369,

271.1318, 376.2805

3.0888

374.2930,
324.5911, 444.3866

■ 0.7557, 0.0000,
1.1401

■ 0.0000, 0.0000,
0.0000

■ 66.8920, 49.4860,
81.6275

■ 66.8920, 49.4860,
81.6275

■ 62.3644, 41.7510,
76.0482

■ 72.3400, 59.0157,
87.6554

■ 58.6959, 35.6892,
70.8938

■ 78.7577, 70.4389,
94.1478

■ 55.8231, 31.1741,
66.1425

■ 86.1947, 83.8545,
101.1234

■ 53.6719, 28.0582,
61.7682

■ 94.6965, 99.3527,
108.5984

■ 52.1541, 26.1651,
57.7399

95.0500, 100.0000,
108.9000

■ 51.1562, 25.2265,
54.1479

Harmonies

Analogous

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



58.9508, 49.4860, 114.1441



66.8920, 49.4860, 81.6275



69.2409, 49.4860, 49.6188

Triad

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



66.8920, 49.4860, 81.6275



45.5219, 49.4860, 15.2150



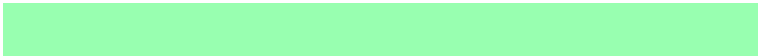
32.7436, 49.4860, 92.0505

Complementary

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



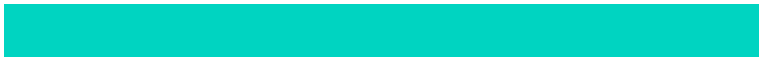
66.8920, 49.4860, 81.6275



56.5471, 81.3308, 53.7951

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.



30.1705, 49.4860, 58.3823



66.8920, 49.4860, 81.6275



36.8438, 49.4860, 19.7522

Square

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



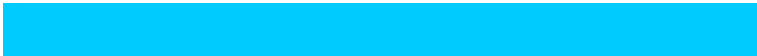
66.8920, 49.4860, 81.6275



55.9244, 49.4860, 17.5922



31.5568, 49.4860, 33.2656



39.1413, 49.4860, 121.5234

Rectangle

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



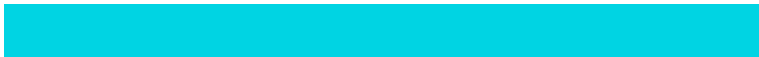
66.8920, 49.4860, 81.6275



67.0719, 49.4860, 33.9025



31.5568, 49.4860, 33.2656



31.4480, 49.4860, 80.4815

Sweetspot

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



66.8932, 49.4881, 81.6285



84.9264, 81.5558, 99.9668



46.8066, 38.7142, 99.6133



17.9618, 17.0656, 21.1982



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.



66.8932, 49.4881, 81.6285



63.3662, 43.4431, 77.3422



60.8290, 47.0624, 49.6951



18.6010, 18.2237, 21.7818



26.7906, 13.2055, 28.6116



2.6503, 1.3025, 3.0059

Inverse Universe

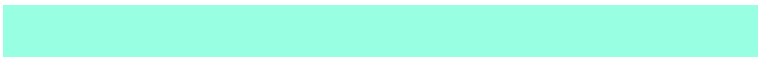
The Inverse Universe completely reimagines the original color for something new.



66.8932, 49.4881, 81.6285



63.3662, 43.4431, 77.3422



62.4126, 83.6770, 84.6827



18.6010, 18.2237, 21.7818



26.7906, 13.2055, 28.6116



2.6503, 1.3025, 3.0059

Previews

White Background



This preview shows how the XYZ color 66.8920, 49.4860, 81.6275 looks on a white background.

Color Contrast Check

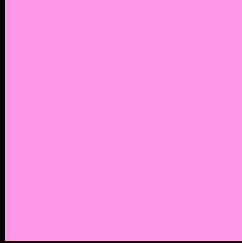
Large Text (above 18pt) WCAG AA × Fail

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 66.8920, 49.4860, 81.6275 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 66.8920, 49.4860, 81.6275

Background



This preview shows how black text looks on a background with the XYZ color 66.8920, 49.4860, 81.6275.



This preview shows how white text looks on a background with the XYZ color 66.8920, 49.4860,

81.6275.

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

66.8920, 49.4860, 81.6275

Protanopia

51.3353, 50.1334, 101.5788

Deuteranopia

50.7738, 49.7423, 78.1593



Tritanopia

59.6451, 49.2854, 47.4437

Trichromacy



Original Color

66.8920, 49.4860, 81.6275



Protanomaly

55.1313, 48.6831, 93.6798



Deuteranomaly

55.4816, 48.9000, 79.1875



Tritanomaly

62.1456, 49.2910, 58.4632

Monochromacy



Original Color

66.8920, 49.4860, 81.6275



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

54.8871, 50.3476, 65.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8920, 49.4860, 81.6275 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, 152, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 231)  
}
```

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, 152, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 231) }
```

Border

The CSS property to change the border of an element to XYZ 66.8920, 49.4860, 81.6275 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, 152, 231) }
```


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

```
.border{ border-color:rgb(255, 152, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8920, 49.4860, 81.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 231) }
```

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

```
.background{ background-color: rgb(255,  
152, 231) }
```

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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