

Converting Colors

XYZ(67.0000, 48.9160, 84.0867)

Have a look what the booklet for
XYZ(67.0000, 48.9160, 84.0867)
contains.

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Color

**XYZ(66.9976, 49.0132,
83.7712)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF96EA |
| RGB | 255, 150, 234 |
| RGB Percent | 100%, 59%, 92% |
| CMY | 0.0000, 0.4117, 0.0823 |
| CMYK | 0.00, 0.41, 0.08, 0.00 |
| HSL | 312°, 100%, 79% |
| HSV | 312°, 41%, 100% |
| XYZ | 66.9976, 49.0132, 83.7712 |
| YIQ | 190.9710, 35.6160, 48.3840 |

Conversions

Conversions Part 2

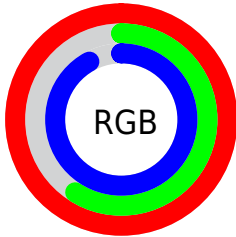
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 150, 234 |
| Decimal | 16750314 |
| CIE _{Lab} | 75.46, 50.76, -25.57 |
| CIE _{LCh} | 75, 56.839, 333.260 |
| Y _{xy} | 49.0132, 0.3354, 0.2453 |
| Android (android.graphics.Color) | 4294940394 (0xFFFF96EA) |
| Y _{UV} | 190.9710, 21.2133, 56.1534 |
| Hunter-Lab | 70.0094, 48.3044, -21.9381 |

Details

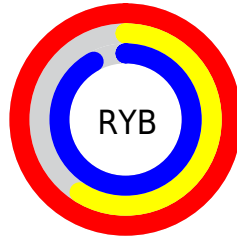
The XYZ color **66.9976, 49.0132, 83.7712** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.6900, 80.9451, 51.2196**, and the grayscale version is **49.3722, 51.9434, 56.5664**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **34.9837, 23.3159, 44.7760** is the 20% darker color. If you saturate the color by 10%, you get **62.6402, 41.4541, 78.7560**, and if you desaturate by 10%, it is **72.2636, 58.3553, 89.1945**.

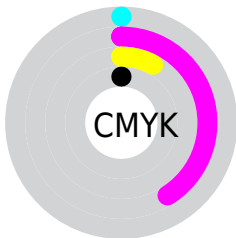
Distribution



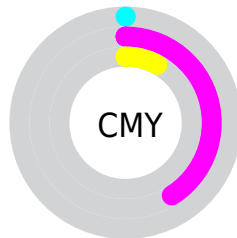
- Red (100%)
- Green (59%)
- Blue (92%)



- Red (100%)
- Yellow (59%)
- Blue (92%)



- Cyan (0%)
- Magenta (41%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9976, 49.0132, 83.7712 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 66.9976, 49.0132, 83.7712 by changing the saturation by 10% instead.


 66.9976, 49.0132,
83.7712


 66.9976, 49.0132,
83.7712

439.3688,
382.7943, 527.5913

 49.3534, 34.6300,
62.2823

 113.9668, 88.7111,
140.5139

 35.1156, 23.3780,
44.8235


 144.0225,
114.7945, 176.6048

 23.9188, 14.8728,
30.9765


178.9460,
145.5467, 218.4001

 15.3978, 8.7302,
20.3227

219.1027,
181.3522, 266.3183

 9.1872, 4.5656,
12.4434

264.8580,
222.5953, 320.7780

 4.9216, 1.9947,
6.9202

316.5772,

 2.2356, 0.6044,

269.6604, 382.1977

3.3346

374.6257,
322.9319, 450.9960

■ 0.7614, 0.0000,
1.2679

■ 0.0000, 0.0000,
0.0353

■ 66.9976, 49.0132,
83.7712

■ 66.9976, 49.0132,
83.7712

■ 62.6402, 41.4541,
78.7560

■ 72.2636, 58.3553,
89.1945

■ 59.1299, 35.5559,
74.1258

■ 78.4878, 69.5800,
95.0416

■ 56.4027, 31.1906,
69.8589

■ 85.7201, 82.7868,
101.3305

■ 54.3838, 28.2091,
65.9296

■ 94.0061, 98.0662,
108.0772

■ 52.9835, 26.4321,
62.3071

95.0500, 100.0000,
108.9000

■ 52.1390, 25.6196,
59.3232

Harmonies

Analogous

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



58.5338, 49.0132, 117.6283



66.9976, 49.0132, 83.7712



69.7381, 49.0132, 50.1518

Triad

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



66.9976, 49.0132, 83.7712



45.4489, 49.0132, 13.9984



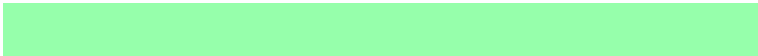
31.6859, 49.0132, 91.6864

Complementary

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



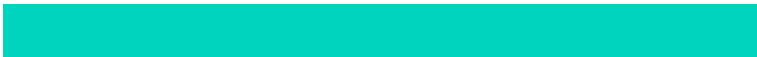
66.9976, 49.0132, 83.7712



55.6900, 80.9451, 51.2196

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.



29.2248, 49.0132, 56.7169



66.9976, 49.0132, 83.7712



36.3851, 49.0132, 18.1948

Square

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



66.9976, 49.0132, 83.7712



56.2528, 49.0132, 16.6396



30.8078, 49.0132, 31.3851



38.0946, 49.0132, 123.2751

Rectangle

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



66.9976, 49.0132, 83.7712



67.6585, 49.0132, 33.6673



30.8078, 49.0132, 31.3851



30.4170, 49.0132, 79.5549

Sweetspot

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



66.9987, 49.0152, 83.7722



85.0834, 81.6186, 100.7939



45.7530, 37.6931, 99.4718



17.9990, 17.0805, 21.3938



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.



66.9987, 49.0152, 83.7722



63.5135, 42.9523, 79.8130



60.5397, 46.4316, 49.7593



18.6278, 18.2344, 21.9231



27.2985, 13.4087, 31.2860



2.6957, 1.3206, 3.2448

Inverse Universe

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



66.9987, 49.0152, 83.7722



63.5135, 42.9523, 79.8130



61.7259, 83.3594, 83.0040



18.6278, 18.2344, 21.9231



27.2985, 13.4087, 31.2860



2.6957, 1.3206, 3.2448

Previews

White Background



This preview shows how the XYZ color 66.9976, 49.0132, 83.7712 looks on a white background.

Color Contrast Check

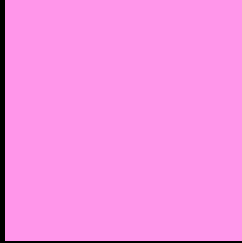
Large Text (above 18pt) WCAG AA × Fail

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 66.9976, 49.0132, 83.7712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

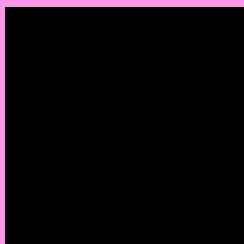
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9976, 49.0132, 83.7712

Background



This preview shows how black text looks on a background with the XYZ color 66.9976, 49.0132, 83.7712.



This preview shows how white text looks on a background with the XYZ color 66.9976, 49.0132,

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

66.9976, 49.0132, 83.7712

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.2600, 49.1246, 80.2318



Tritanopia

59.2717, 48.8531, 46.3500

Trichromacy



Original Color

66.9976, 49.0132, 83.7712



Protanomaly

54.8297, 48.2262, 94.4144



Deuteranomaly

54.9521, 48.0179, 81.2350



Tritanomaly

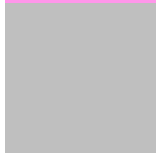
61.9743, 48.9485, 58.4061

Monochromacy



Original Color

66.9976, 49.0132, 83.7712



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.5194, 49.8518, 65.7804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9976, 49.0132, 83.7712 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, 150, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 234)  
}
```

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, 150, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 234) }
```

Border

The CSS property to change the border of an element to XYZ 66.9976, 49.0132, 83.7712 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, 150, 234) }
```


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

```
.border{ border-color:rgb(255, 150, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9976, 49.0132, 83.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 234) }
```

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

```
.background{ background-color: rgb(255,  
150, 234) }
```

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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