

Converting Colors

XYZ(66.8385, 49.7247, 80.5700)

Have a look what the booklet for
XYZ(66.8385, 49.7247, 80.5700)
contains.

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Color

**XYZ(66.9142, 49.7556,
80.9399)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99E6
RGB	255, 153, 230
RGB Percent	100%, 60%, 90%
CMY	0.0000, 0.4000, 0.0980
CMYK	0.00, 0.40, 0.10, 0.00
HSL	315°, 100%, 80%
HSV	315°, 40%, 100%
XYZ	66.9142, 49.7556, 80.9399
YIQ	192.2760, 36.0750, 45.5710

Conversions

Conversions Part 2

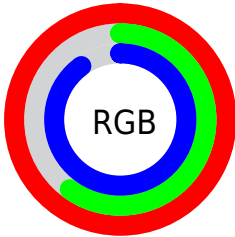
Format	Color
R_{YB}	255, 153, 230
Decimal	16751078
CIE _{Lab}	75.92, 48.60, -22.69
CIE _{LCh}	76, 53.634, 334.968
Yxy	49.7556, 0.3386, 0.2518
Android (android.graphics.Color)	4294941158 (0xFFFF99E6)
YUV	192.2760, 18.5979, 55.0089
Hunter-Lab	70.5376, 45.8897, -18.6572

Details

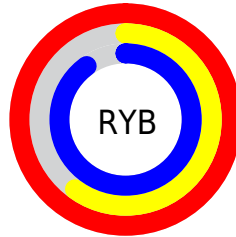
The XYZ color **66.9142, 49.7556, 80.9399** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.9344, 81.5074, 54.8539**, and the grayscale version is **50.1453, 52.7567, 57.4521**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **35.1278, 23.8500, 42.7965** is the 20% darker color. If you saturate the color by 10%, you get **62.3156, 41.9381, 75.1543**, and if you desaturate by 10%, it is **72.4381, 59.3732, 87.1905**.

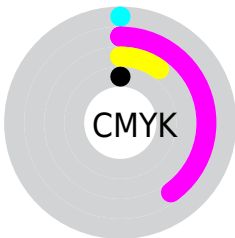
Distribution



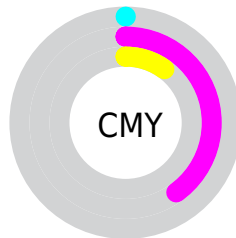
- Red (100%)
- Green (60%)
- Blue (90%)



- Red (100%)
- Yellow (60%)
- Blue (90%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9142, 49.7556, 80.9399 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 66.9142, 49.7556, 80.9399 by changing the saturation by 10% instead.


 66.9142, 49.7556,
80.9399


 66.9142, 49.7556,
80.9399


439.0766,
385.7094, 517.8848

 49.2853, 35.2192,
59.9614


 113.8479, 89.8127,
136.5097

 35.0614, 23.8318,
42.9624


 143.8835,
116.1021, 171.9380

 23.8769, 15.2089,
29.5244


178.7854,
147.0781, 213.0201

 15.3666, 8.9661,
19.2289

218.9189,
183.1250, 260.1744

 9.1650, 4.7191,
11.6573

264.6495,
224.6272, 313.8195

 4.9070, 2.0834,
6.3911

316.3423,

 2.2270, 0.6553,

271.9691, 374.3739

3.0117

374.3629,
325.5350, 442.2561

■ 0.7569, 0.0000,
1.1006

■ 0.0000, 0.0000,
0.0000

■ 66.9142, 49.7556,
80.9399

■ 66.9142, 49.7556,
80.9399

■ 62.3156, 41.9381,
75.1543

■ 72.4381, 59.3732,
87.1905

■ 58.5816, 35.7998,
69.8100

■ 78.9367, 70.8895,
93.9222

■ 55.6487, 31.2146,
64.8847

■ 86.4596, 84.4031,
101.1538

■ 53.4436, 28.0360,
60.3525

95.0500, 100.0000,
108.9000

■ 51.8783, 26.0890,
56.1822

■ 50.8100, 25.0881,
52.3246

■ 50.8098, 25.0879,
52.3237

Harmonies

Analogous

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



59.1742, 49.7556, 112.9040



66.9142, 49.7556, 80.9399



69.1207, 49.7556, 49.5504

Triad

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



66.9142, 49.7556, 80.9399



45.6474, 49.7556, 15.7778



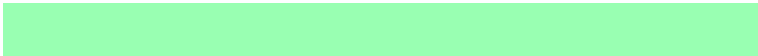
33.2343, 49.7556, 92.2078

Complementary

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



66.9142, 49.7556, 80.9399



56.9344, 81.5074, 54.8539

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.



30.6224, 49.7556, 59.0796



66.9142, 49.7556, 80.9399



37.1161, 49.7556, 20.4468

Square

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



66.9142, 49.7556, 80.9399



55.8918, 49.7556, 18.0587



31.9369, 49.7556, 34.0760



39.6216, 49.7556, 120.8552

Rectangle

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



66.9142, 49.7556, 80.9399



66.9256, 49.7556, 34.1168



31.9369, 49.7556, 34.0760



31.9299, 49.7556, 80.8672

Sweetspot

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



66.9153, 49.7576, 80.9409



84.8690, 81.5329, 99.6650



47.5292, 39.3286, 99.6939



17.9483, 17.0602, 21.1269



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.



66.9153, 49.7576, 80.9409



63.1634, 43.3619, 76.2743



60.8913, 47.3480, 49.2190



18.5912, 18.2198, 21.7302



26.6115, 13.1339, 27.6681



2.6342, 1.2961, 2.9211

Inverse Universe

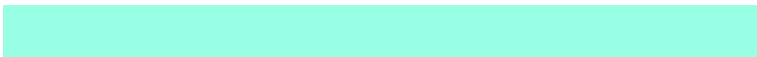
The Inverse Universe completely reimagines the original color for something new.



66.9153, 49.7576, 80.9409



63.1634, 43.3619, 76.2743



62.8740, 83.8833, 86.1317



18.5912, 18.2198, 21.7302



26.6115, 13.1339, 27.6681



2.6342, 1.2961, 2.9211

Previews

White Background



This preview shows how the XYZ color 66.9142, 49.7556, 80.9399 looks on a white background.

Color Contrast Check

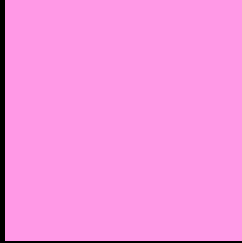
Large Text (above 18pt) WCAG AA × Fail

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 66.9142, 49.7556, 80.9399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

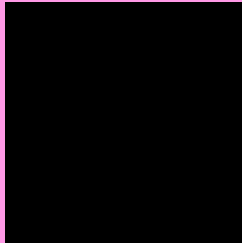
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9142, 49.7556, 80.9399

Background



This preview shows how black text looks on a background with the XYZ color 66.9142, 49.7556, 80.9399.



This preview shows how white text looks on a background with the XYZ color 66.9142, 49.7556,

80.9399.

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

66.9142, 49.7556, 80.9399

Protanopia

51.2270, 50.1146, 99.9016

Deuteranopia

51.0176, 49.8680, 78.1707



Tritanopia

60.1789, 49.8252, 47.5198

Trichromacy



Original Color

66.9142, 49.7556, 80.9399



Protanomaly

55.2444, 48.7591, 92.8859



Deuteranomaly

55.7690, 49.0481, 79.2009



Tritanomaly

62.3183, 49.6364, 58.5208

Monochromacy



Original Color

66.9142, 49.7556, 80.9399



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

55.0853, 50.7441, 65.2838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9142, 49.7556, 80.9399 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, 153, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 230) }
```

Border

The CSS property to change the border of an element to XYZ 66.9142, 49.7556, 80.9399 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, 153, 230) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9142, 49.7556, 80.9399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 230) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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