

Converting Colors

XYZ(86.6613, 58.8971, 97.1027)

Have a look what the booklet for
XYZ(86.6613, 58.8971, 97.1027)
contains.

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Color

**XYZ(69.4017, 49.9748,
96.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96FA
RGB	255, 150, 250
RGB Percent	100%, 59%, 98%
CMY	0.0000, 0.4117, 0.0196
CMYK	0.00, 0.41, 0.02, 0.00
HSL	303°, 100%, 79%
HSV	303°, 41%, 100%
XYZ	69.4017, 49.9748, 96.4307
YIQ	192.7950, 30.4800, 53.3600

Conversions

Conversions Part 2

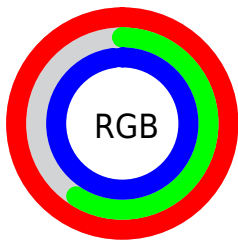
Format	Color
R _{YB}	255, 150, 250
Decimal	16750330
CIE _{Lab}	76.05, 53.46, -33.35
CIE _{LCh}	76, 63.010, 328.041
Yxy	49.9748, 0.3216, 0.2316
Android (android.graphics.Color)	4294940410 (0xFFFF96FA)
YUV	192.7950, 28.2021, 54.5538
Hunter-Lab	70.6929, 51.5273, -31.3913

Details

The XYZ color **69.4017, 49.9748, 96.4307** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.2555, 80.3713, 43.6662**, and the grayscale version is **50.3967, 53.0212, 57.7401**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **36.5735, 23.9518, 53.1476** is the 20% darker color. If you saturate the color by 10%, you get **65.5768, 42.6286, 94.2201**, and if you desaturate by 10%, it is **74.1151, 59.0958, 98.9449**.

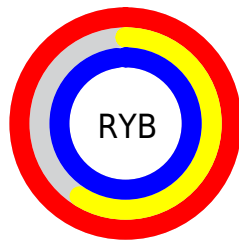
Distribution



Red (100%)

Green (59%)

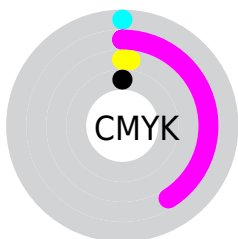
Blue (98%)



Red (100%)

Yellow (59%)

Blue (98%)

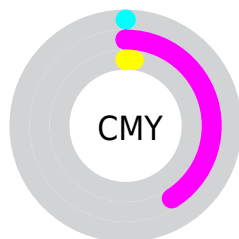


Cyan (0%)

Magenta (41%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.4017, 49.9748, 96.4307 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 69.4017, 49.9748, 96.4307 by changing the saturation by 10% instead.


 69.4017, 49.9748,
96.4307


 69.4017, 49.9748,
96.4307


447.7457,
386.5674, 569.8361

 51.3168, 35.3934,
72.7229

 117.3861, 90.1375,
158.2522

 36.6828, 23.9661,
53.2589


 148.0162,
116.4876, 197.2030

 25.1346, 15.3084,
37.6204


183.5588,
147.5294, 242.0719

 16.3066, 9.0361,
25.3887

224.3792,
183.6473, 293.2773

 9.8336, 4.7648,
16.1452

270.8427,
225.2256, 351.2379

 5.3502, 2.1099,
9.4715


323.3147,


 2.4910, 0.6702,


272.6488, 416.3722


4.9490

382.1606,
326.3013, 489.0988


 0.8907, 0.0000,
2.1591


 0.0000, 0.0000,
0.6506


 69.4017, 49.9748,
96.4307

 69.4017, 49.9748,
96.4307

 65.5768, 42.6286,
94.2201


 74.1151, 59.0958,
98.9449


 62.5794, 36.9356,
92.2906

 79.7668, 70.0915,
101.7773

 60.3455, 32.7677,
90.6217

 86.4064, 83.0611,
104.9450

 58.8007, 29.9758,
89.1885

 94.0793, 98.0952,
108.4632

■ 57.8552, 28.3808,
87.9610

95.0500, 100.0000,
108.9000

■ 57.3963, 27.7225,
87.0079

Harmonies

Analogous

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



58.9516, 49.9748, 133.9981



69.4017, 49.9748, 96.4307



73.8947, 49.9748, 56.6592

Triad

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



69.4017, 49.9748, 96.4307



48.2772, 49.9748, 11.9441



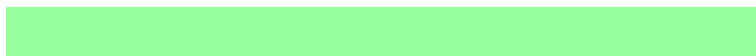
30.1955, 49.9748, 90.9209

Complementary

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



69.4017, 49.9748, 96.4307



54.2555, 80.3713, 43.6662

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.



28.2831, 49.9748, 52.2290



69.4017, 49.9748, 96.4307



37.6358, 49.9748, 14.9159

Square

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



69.4017, 49.9748, 96.4307



60.5123, 49.9748, 15.8702



30.7709, 49.9748, 26.8142



36.5004, 49.9748, 129.9994

Rectangle

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



69.4017, 49.9748, 96.4307



72.4284, 49.9748, 36.7095



30.7709, 49.9748, 26.8142



29.0684, 49.9748, 77.0544

Sweetspot

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



69.4027, 49.9767, 96.4317



85.8196, 81.9131, 104.6703



42.1898, 35.8561, 99.3050



18.1733, 17.1502, 22.3118



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.



69.4027, 49.9767, 96.4317



66.3361, 44.0813, 94.6762



62.4564, 47.1982, 59.8530



18.7531, 18.2846, 22.5830



30.0072, 14.4922, 45.5497



2.9328, 1.4155, 4.4933

Inverse Universe

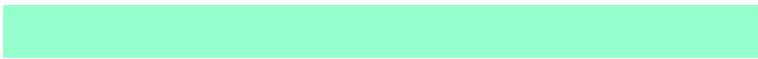
The Inverse Universe completely reimagines the original color for something new.



69.4027, 49.9767, 96.4317



66.3361, 44.0813, 94.6762



59.4796, 82.4609, 71.1759



18.7531, 18.2846, 22.5830



30.0072, 14.4922, 45.5497



2.9328, 1.4155, 4.4933

Previews

White Background



This preview shows how the XYZ color 69.4017, 49.9748, 96.4307 looks on a white background.

Color Contrast Check

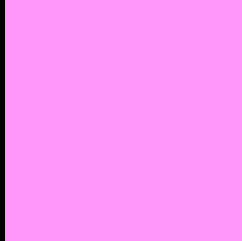
Large Text (above 18pt) WCAG AA × Fail

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 69.4017, 49.9748, 96.4307 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 69.4017, 49.9748, 96.4307

Background



This preview shows how black text looks on a background with the XYZ color 69.4017, 49.9748, 96.4307.



This preview shows how white text looks on a background with the XYZ color 69.4017, 49.9748,

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

69.4017, 49.9748, 96.4307

Protanopia

51.5453, 50.5533, 101.6488

Deuteranopia

51.5826, 50.4597, 92.6089



Tritanopia

59.4971, 49.7174, 48.5801

Trichromacy



Original Color

69.4017, 49.9748, 96.4307



Protanomaly

56.2264, 49.1211, 99.4464



Deuteranomaly

56.5639, 49.1380, 93.6921



Tritanomaly

62.5368, 49.6410, 63.4124

Monochromacy



Original Color

69.4017, 49.9748, 96.4307



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

56.1786, 50.8983, 70.4817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4017, 49.9748, 96.4307 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 250) }
```

Border

The CSS property to change the border of an element to XYZ 69.4017, 49.9748, 96.4307 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, 250) }
```


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

```
.border{ border-color:rgb(255, 150, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4017, 49.9748, 96.4307 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
150, 250) }
```

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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