

Converting Colors

XYZ(67.5866, 49.0397, 96.3461)

Have a look what the booklet for
XYZ(67.5866, 49.0397, 96.3461)
contains.

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Color

**XYZ(67.5860, 49.0388,
96.3457)**

Conversions

Conversions Part 1

Format	Color
Hex	FA96FA
RGB	250, 150, 250
RGB Percent	98%, 59%, 98%
CMY	0.0196, 0.4117, 0.0196
CMYK	0.00, 0.40, 0.00, 0.02
HSL	300°, 91%, 78%
HSV	300°, 40%, 98%
XYZ	67.5860, 49.0388, 96.3457
YIQ	191.3000, 27.5000, 52.3000

Conversions

Conversions Part 2

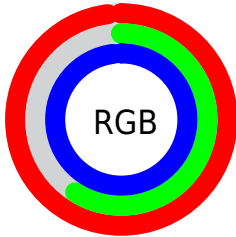
Format	Color
R _Y B	250, 150, 250
Decimal	16422650
CIE Lab	75.48, 51.99, -34.29
CIE LCh	75, 62.282, 326.592
Yxy	49.0388, 0.3173, 0.2303
Android (android.graphics.Color)	4294612730 (0xFFFA96FA)
YUV	191.3000, 28.9391, 51.4799
Hunter-Lab	70.0277, 49.7276, -32.5531

Details

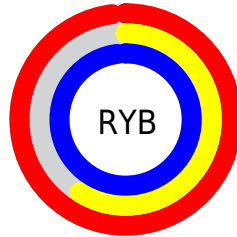
The XYZ color **67.5860, 49.0388, 96.3457** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.2704, 77.0590, 40.9759**, and the grayscale version is **49.5229, 52.1019, 56.7390**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **35.5467, 23.4225, 53.0995** is the 20% darker color. If you saturate the color by 10%, you get **64.0147, 41.8951, 95.1556**, and if you desaturate by 10%, it is **72.0115, 57.8887, 97.8215**.

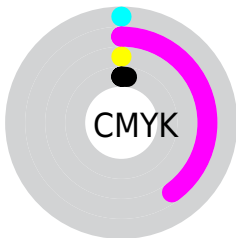
Distribution



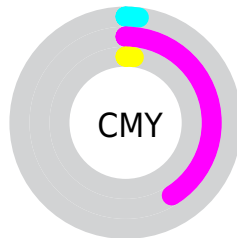
- Red (98%)
- Green (59%)
- Blue (98%)



- Red (98%)
- Yellow (59%)
- Blue (98%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)





- Cyan (2%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5860, 49.0388, 96.3457 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 67.5860, 49.0388, 96.3457 by changing the saturation by 10% instead.


 67.5860, 49.0388,
96.3457


 67.5860, 49.0388,
96.3457


441.4276,
382.8950, 569.5582

 49.8334, 34.6503,
72.6524

 114.8049, 88.7491,
158.1340

 35.4983, 23.3936,
53.2017

 145.0019,
114.8396, 197.0661

 24.2153, 14.8844,
37.5750


180.0778,
145.5996, 241.9149

 15.6190, 8.7383,
25.3537

220.3978,
181.4134, 293.0989

 9.3441, 4.5709,
16.1194

266.3275,
222.6655, 351.0367

 5.0252, 1.9978,
9.4534

318.2321,

 2.2970, 0.6062,

269.7402, 416.1468

4.9373

376.4770,
323.0219, 488.8478

■ 0.7931, 0.0000,
2.1524

■ 0.0000, 0.0000,
0.6467

■ 67.5860, 49.0388,
96.3457

■ 67.5860, 49.0388,
96.3457

■ 64.0147, 41.8951,
95.1556

■ 72.0115, 57.8887,
97.8215

■ 61.2380, 36.3418,
94.2299

■ 77.3361, 68.5378,
99.5966

■ 59.1967, 32.2593,
93.5493

■ 83.6074, 81.0803,
101.6871

■ 57.8211, 29.5081,
93.0905

■ 90.8681, 95.6017,
104.1076

57.0279, 27.9219,
92.8260

92.4406, 98.7465,
104.6319

56.6802, 27.2265,
92.7099

92.4406, 98.7466,
104.6321

56.6802, 27.2264,
92.7099

92.4406, 98.7466,
104.6322

92.4407, 98.7466,
104.6324

92.4407, 98.7466,
104.6326

Harmonies

Analogous

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



57.2126, 49.0388, 132.2861



67.5860, 49.0388, 96.3457



72.3177, 49.0388, 57.2442

Triad

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



67.5860, 49.0388, 96.3457



47.9353, 49.0388, 11.8709



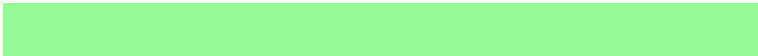
29.5174, 49.0388, 87.0113

Complementary

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



67.5860, 49.0388, 96.3457



52.2704, 77.0590, 40.9759

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.



27.8554, 49.0388, 49.7222



67.5860, 49.0388, 96.3457



37.4054, 49.0388, 14.4531

Square

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



67.5860, 49.0388, 96.3457



59.8596, 49.0388, 16.0843



30.4963, 49.0388, 25.5899



35.4756, 49.0388, 125.5199

Rectangle

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



67.5860, 49.0388, 96.3457



71.1438, 49.0388, 37.2919



30.4963, 49.0388, 25.5899



28.4848, 49.0388, 73.5717

Sweetspot

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



67.5876, 49.0410, 96.3467



86.0532, 82.0066, 105.9009



40.7415, 35.2013, 95.0911



18.2287, 17.1724, 22.6037



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.



67.5876, 49.0410, 96.3467



67.6227, 45.1457, 99.7567



60.7579, 46.3091, 60.3821



17.9931, 17.5246, 21.8195



30.0645, 14.4415, 49.1755



2.7845, 1.3375, 4.5545

Inverse Universe

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



67.5876, 49.0410, 96.3467



67.6227, 45.1457, 99.7567



57.1906, 79.0271, 66.8853



17.9931, 17.5246, 21.8195



30.0645, 14.4415, 49.1755



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 67.5860, 49.0388, 96.3457 looks on a white background.

Color Contrast Check

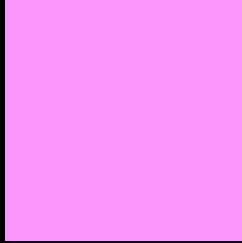
Large Text (above 18pt) WCAG AA × Fail

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 67.5860, 49.0388, 96.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

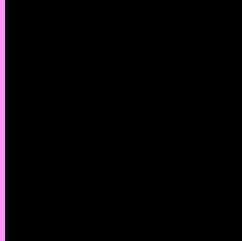
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5860, 49.0388, 96.3457

Background



This preview shows how black text looks on a background with the XYZ color 67.5860, 49.0388, 96.3457.



This preview shows how white text looks on a background with the XYZ color 67.5860, 49.0388,

96.3457.

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

67.5860, 49.0388, 96.3457

Protanopia

50.5003, 49.3935, 101.4800

Deuteranopia

50.4962, 49.2829, 92.4391



Tritanopia

57.7666, 48.8254, 48.4991

Trichromacy



Original Color

67.5860, 49.0388, 96.3457



Protanomaly

54.9878, 48.1990, 99.3337



Deuteranomaly

55.2849, 48.1971, 93.5779



Tritanomaly

60.7781, 48.7343, 63.3301

Monochromacy



Original Color

67.5860, 49.0388, 96.3457



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.5604, 49.8012, 69.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5860, 49.0388, 96.3457 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(250, 150, 250)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 150, 250) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 67.5860, 49.0388, 96.3457 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(250, 150, 250) }
```


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

```
.border{ border-color:rgb(250, 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(250, 150, 250)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 67.5860, 49.0388, 96.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 150, 250) }
```

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

```
.background{ background-color: rgb(250,  
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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