

Converting Colors

XYZ(102.0615, 66.9035,
90.9742)

Have a look what the booklet for
XYZ(102.0615, 66.9035, 90.9742)
contains.

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Color

**XYZ(68.0235, 49.4236,
89.1736)**

Conversions

Conversions Part 1

Format	Color
Hex	FF96F1
RGB	255, 150, 241
RGB Percent	100%, 59%, 95%
CMY	0.0000, 0.4117, 0.0549
CMYK	0.00, 0.41, 0.05, 0.00
HSL	308°, 100%, 79%
HSV	308°, 41%, 100%
XYZ	68.0235, 49.4236, 89.1736
YIQ	191.7690, 33.3690, 50.5610

Conversions

Conversions Part 2

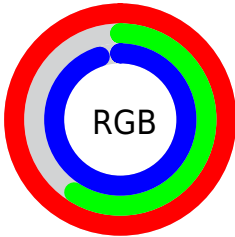
Format	Color
R _Y B	255, 150, 241
Decimal	16750321
CIE Lab	75.71, 51.92, -28.99
CIE LCh	76, 59.470, 330.822
Yxy	49.4236, 0.3292, 0.2392
Android (android.graphics.Color)	4294940401 (0xFFFF96F1)
YUV	191.7690, 24.2709, 55.4536
Hunter-Lab	70.3019, 49.6866, -25.9943

Details

The XYZ color **68.0235, 49.4236, 89.1736** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.0402, 80.6852, 47.7974**, and the grayscale version is **49.8190, 52.4135, 57.0783**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **35.7048, 23.6043, 48.5732** is the 20% darker color. If you saturate the color by 10%, you get **63.8853, 41.9521, 85.3123**, and if you desaturate by 10%, it is **73.0588, 58.6734, 93.3819**.

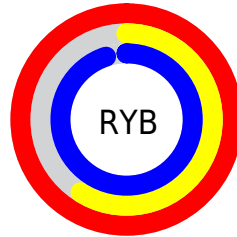
Distribution



Red (100%)

Green (59%)

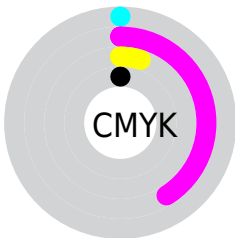
Blue (95%)



Red (100%)

Yellow (59%)

Blue (95%)

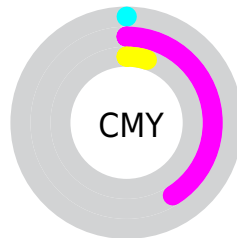


Cyan (0%)

Magenta (41%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (41%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0235, 49.4236, 89.1736 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 68.0235, 49.4236, 89.1736 by changing the saturation by 10% instead.


 68.0235, 49.4236,
89.1736


 68.0235, 49.4236,
89.1736


442.9547,
384.4076, 545.8395

 50.1906, 34.9556,
66.7256

 115.4275, 89.3203,
148.1154

 35.7833, 23.6287,
48.4015


 145.7293,
115.5178, 185.4463

 24.4362, 15.0584,
33.7827


180.9181,
146.3939, 228.5753

 15.7840, 8.8604,
22.4507

221.3593,
182.3330, 277.9208

 9.4613, 4.6502,
13.9870

267.4181,
223.7195, 333.9014

 5.1028, 2.0435,
7.9729

319.4601,

 2.3431, 0.6326,

270.9379, 396.9357

3.9901

377.8505,
324.3724, 467.4422

■ 0.8166, 0.0000,
1.6199

■ 0.0000, 0.0000,
0.3050

■ 68.0235, 49.4236,
89.1736

■ 68.0235, 49.4236,
89.1736

■ 63.8853, 41.9521,
85.3123

■ 73.0588, 58.6734,
93.3819

■ 60.5826, 36.1369,
81.7754

■ 79.0405, 69.8012,
97.9521

■ 58.0516, 31.8502,
78.5420

■ 86.0185, 82.9062,
102.9017

■ 56.2178, 28.9426,
75.5870

■ 94.0382, 98.0791,
108.2460

■ 54.9914, 27.2352,
72.8803

95.0500, 100.0000,
108.9000

■ 54.2912, 26.4805,
70.6565

Harmonies

Analogous

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



58.6969, 49.4236, 124.6075



68.0235, 49.4236, 89.1736



71.5223, 49.4236, 52.9476

Triad

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



68.0235, 49.4236, 89.1736



46.6722, 49.4236, 13.0722



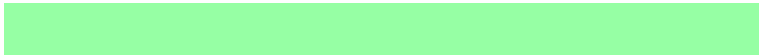
31.0203, 49.4236, 91.3028

Complementary

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



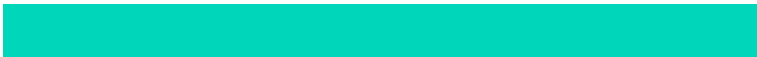
68.0235, 49.4236, 89.1736



55.0402, 80.6852, 47.7974

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.



28.8063, 49.4236, 54.6896



68.0235, 49.4236, 89.1736



36.9290, 49.4236, 16.7001

Square

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



68.0235, 49.4236, 89.1736



58.0879, 49.4236, 16.3040



30.7903, 49.4236, 29.3089



37.3795, 49.4236, 126.1381

Rectangle

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



68.0235, 49.4236, 89.1736



69.7082, 49.4236, 34.9882



30.7903, 49.4236, 29.3089



29.8156, 49.4236, 78.4101

Sweetspot

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



68.0247, 49.4256, 89.1746



85.4033, 81.7466, 102.4781



43.9096, 36.7429, 99.3855



18.0746, 17.1107, 21.7923



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.



68.0247, 49.4256, 89.1746



64.7119, 43.4316, 86.1236



61.4694, 46.8035, 54.6550



18.6823, 18.2562, 22.2102



28.4088, 13.8528, 37.1329



2.7937, 1.3599, 3.7612

Inverse Universe

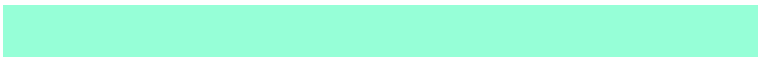
The Inverse Universe completely reimagines the original color for something new.



68.0247, 49.4256, 89.1746



64.7119, 43.4316, 86.1236



60.5728, 82.8982, 76.9317



18.6823, 18.2562, 22.2102



28.4088, 13.8528, 37.1329



2.7937, 1.3599, 3.7612

Previews

White Background



This preview shows how the XYZ color 68.0235, 49.4236, 89.1736 looks on a white background.

Color Contrast Check

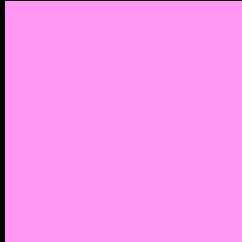
Large Text (above 18pt) WCAG AA × Fail

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 68.0235, 49.4236, 89.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

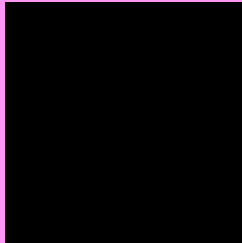
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0235, 49.4236, 89.1736

Background



This preview shows how black text looks on a background with the XYZ color 68.0235, 49.4236, 89.1736.



This preview shows how white text looks on a background with the XYZ color 68.0235, 49.4236,

89.1736.

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

68.0235, 49.4236, 89.1736

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

50.7513, 49.5684, 85.4900



Tritanopia

59.4697, 49.4597, 47.4866

Trichromacy



Original Color

68.0235, 49.4236, 89.1736



Protanomaly

55.2965, 48.4129, 96.8727



Deuteranomaly

55.5811, 48.5056, 86.5538



Tritanomaly

62.2478, 49.2904, 60.8768

Monochromacy



Original Color

68.0235, 49.4236, 89.1736



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

55.3793, 50.5445, 67.8100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0235, 49.4236, 89.1736 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 241) }
```

Border

The CSS property to change the border of an element to XYZ 68.0235, 49.4236, 89.1736 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, 241) }
```


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

```
.border{ border-color:rgb(255, 150, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0235, 49.4236, 89.1736 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
150, 241) }
```

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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