

Converting Colors

XYZ(68.4766, 48.9133, 93.6912)

Have a look what the booklet for
XYZ(68.4766, 48.9133, 93.6912)
contains.

XYZ(68.4622, 48.8428, 93.8149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.4622, 48.8428,
93.8149)**

Conversions

Conversions Part 1

Format	Color
Hex	FF93F7
RGB	255, 147, 247
RGB Percent	100%, 58%, 97%
CMY	0.0000, 0.4235, 0.0314
CMYK	0.00, 0.42, 0.03, 0.00
HSL	304°, 100%, 79%
HSV	304°, 42%, 100%
XYZ	68.4622, 48.8428, 93.8149
YIQ	190.6920, 32.2680, 53.9960

Conversions

Conversions Part 2

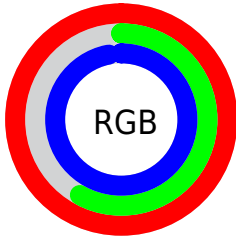
Format	Color
R _Y B	255, 147, 247
Decimal	16749559
CIE Lab	75.35, 54.44, -32.81
CIE LCh	75, 63.559, 328.925
Yxy	48.8428, 0.3243, 0.2314
Android (android.graphics.Color)	4294939639 (0xFFFF93F7)
YUV	190.6920, 27.7598, 56.3981
Hunter-Lab	69.8876, 52.5560, -30.6677

Details

The XYZ color **68.4622, 48.8428, 93.8149** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.7105, 80.0903, 43.6407**, and the grayscale version is **49.1756, 51.7365, 56.3411**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **35.9736, 23.2822, 51.3131** is the 20% darker color. If you saturate the color by 10%, you get **64.6375, 41.6574, 91.1098**, and if you desaturate by 10%, it is **73.1707, 57.7906, 96.8305**.

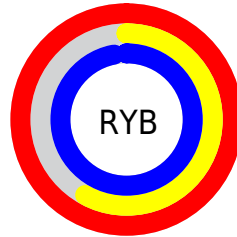
Distribution



Red (100%)

Green (58%)

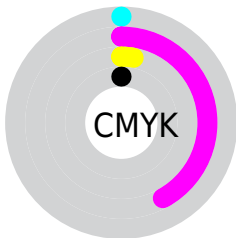
Blue (97%)



Red (100%)

Yellow (58%)

Blue (97%)

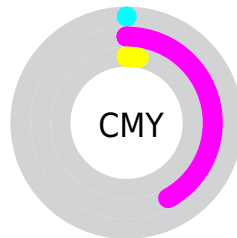


Cyan (0%)

Magenta (42%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4622, 48.8428, 93.8149 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 68.4622, 48.8428, 93.8149 by changing the saturation by 10% instead.


 68.4622, 48.8428,
93.8149


 68.4622, 48.8428,
93.8149


444.4830,
382.1231, 561.2511

 50.5489, 34.4948,
70.5576

 116.0514, 88.4579,
154.6078

 36.0693, 23.2740,
51.5016


 146.4580,
114.4939, 192.9804

 24.6581, 14.7959,
36.2285


181.7597,
145.1945, 237.2286

 15.9499, 8.6763,
24.3196

222.3220,
180.9444, 287.7708

 9.5793, 4.5307,
15.3565

268.5100,
222.1277, 345.0256

 5.1810, 1.9746,
8.9206

320.6893,

 2.3897, 0.5927,

269.1291, 409.4116

4.5933

379.2252,
322.3327, 481.3473

■ 0.8400, 0.0000,
1.9562

■ 0.0000, 0.0000,
0.5281

■ 68.4622, 48.8428,
93.8149

■ 68.4622, 48.8428,
93.8149

■ 64.6375, 41.6574,
91.1098

■ 73.1707, 57.7906,
96.8305

■ 61.6348, 36.1114,
88.6925

■ 78.8131, 68.6019,
100.1713

■ 59.3891, 32.0748,
86.5421

■ 85.4397, 81.3767,
103.8549

■ 57.8245, 29.3956,
84.6331

■ 93.0961, 96.2064,
107.8965

■ 56.8491, 27.8901,
82.9350

95.0500, 100.0000,
108.9000

■ 56.3966, 27.3226,
81.7436

Harmonies

Analogous

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



58.1674, 48.8428, 131.7773



68.4622, 48.8428, 93.8149



72.7223, 48.8428, 54.3986

Triad

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



68.4622, 48.8428, 93.8149



46.8467, 48.8428, 11.2895



29.3966, 48.8428, 90.7934

Complementary

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



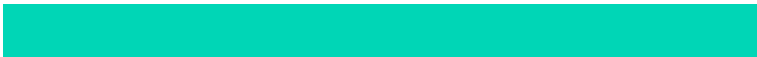
68.4622, 48.8428, 93.8149



53.7105, 80.0903, 43.6407

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.



27.3796, 48.8428, 51.9827



68.4622, 48.8428, 93.8149



36.3775, 48.8428, 14.3907

Square

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



68.4622, 48.8428, 93.8149



59.0206, 48.8428, 14.9020



29.7087, 48.8428, 26.3914



35.7601, 48.8428, 129.5778

Rectangle

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



68.4622, 48.8428, 93.8149



71.1007, 48.8428, 34.9143



29.7087, 48.8428, 26.3914



28.2403, 48.8428, 76.9143

Sweetspot

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



68.4633, 48.8447, 93.8159



84.9786, 80.4858, 103.6050



41.8502, 34.9795, 99.1537



17.8604, 16.5928, 21.9963



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.



68.4633, 48.8447, 93.8159



65.1048, 42.5296, 91.4580



61.3902, 46.0155, 56.5695



18.7312, 18.2758, 22.4675



29.4930, 14.2865, 42.8420



2.8883, 1.3977, 4.2590

Inverse Universe

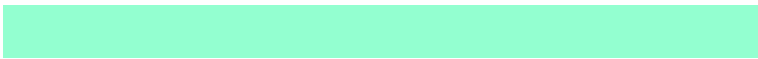
The Inverse Universe completely reimagines the original color for something new.



68.4633, 48.8447, 93.8159



65.1048, 42.5296, 91.4580



59.2038, 82.2876, 72.5680



18.7312, 18.2758, 22.4675



29.4930, 14.2865, 42.8420



2.8883, 1.3977, 4.2590

Previews

White Background



This preview shows how the XYZ color 68.4622, 48.8428, 93.8149 looks on a white background.

Color Contrast Check

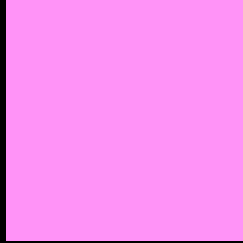
Large Text (above 18pt) WCAG AA × Fail

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 68.4622, 48.8428, 93.8149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

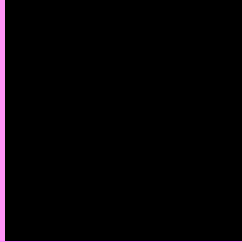
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4622, 48.8428, 93.8149

Background



This preview shows how black text looks on a background with the XYZ color 68.4622, 48.8428, 93.8149.



This preview shows how white text looks on a background with the XYZ color 68.4622, 48.8428,

93.8149.

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

68.4622, 48.8428, 93.8149

Protanopia

50.5003, 49.3935, 101.4800

Deuteranopia

50.4899, 49.3318, 90.0800



Tritanopia

58.8411, 48.8824, 46.8914

Trichromacy



Original Color

68.4622, 48.8428, 93.8149



Protanomaly

55.1596, 48.0244, 98.4579



Deuteranomaly

55.4542, 48.0579, 91.1474



Tritanomaly

61.6665, 48.4707, 61.3639

Monochromacy



Original Color

68.4622, 48.8428, 93.8149



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

54.8194, 49.6592, 68.3239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4622, 48.8428, 93.8149 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, 147, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 247)  
}
```

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, 147, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 247) }
```

Border

The CSS property to change the border of an element to XYZ 68.4622, 48.8428, 93.8149 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, 147, 247) }
```


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

```
.border{ border-color:rgb(255, 147, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4622, 48.8428, 93.8149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 247) }
```

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

```
.background{ background-color: rgb(255,  
147, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor