

Converting Colors

XYZ(68.9021, 48.0178,
100.2446)

Have a look what the booklet for
XYZ(68.9021, 48.0178, 100.2446)
contains.

XYZ(68.7455, 47.9358, 100.2370)	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(68.7455, 47.9358,
100.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	FE8FFF
RGB	254, 143, 255
RGB Percent	100%, 56%, 100%
CMY	0.0039, 0.4392, 0.0000
CMYK	0.00, 0.44, 0.00, 0.00
HSL	299°, 100%, 78%
HSV	299°, 44%, 100%
XYZ	68.7455, 47.9358, 100.2370
YIQ	188.9570, 30.2040, 58.3640

Conversions

Conversions Part 2

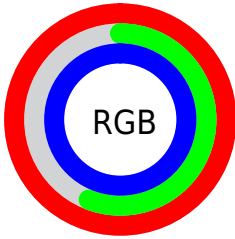
Format	Color
R_{YB}	254, 143, 255
Decimal	16683007
CIE _{Lab}	74.78, 57.51, -38.03
CIE _{LCh}	75, 68.948, 326.520
Yxy	47.9358, 0.3169, 0.2210
Android (android.graphics.Color)	4294873087 (0xFFFE8FFF)
YUV	188.9570, 32.5592, 57.0427
Hunter-Lab	69.2357, 56.0738, -37.3730

Details

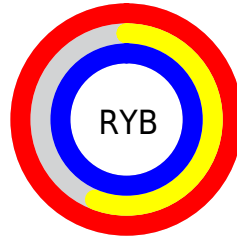
The XYZ color **68.7455, 47.9358, 100.2370** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.2208, 79.4331, 38.5688**, and the grayscale version is **48.1545, 50.6623, 55.1712**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **36.1884, 22.6588, 55.8923** is the 20% darker color. If you saturate the color by 10%, you get **65.2609, 41.0891, 99.0991**, and if you desaturate by 10%, it is **73.1031, 56.5265, 101.6655**.

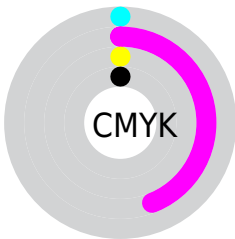
Distribution



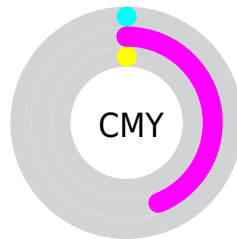
- Red (100%)
- Green (56%)
- Blue (100%)



- Red (100%)
- Yellow (56%)
- Blue (100%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7455, 47.9358, 100.2370 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 68.7455, 47.9358, 100.2370 by changing the saturation by 10% instead.


 68.7455, 47.9358,
100.2370


 68.7455, 47.9358,
100.2370


445.4683,
378.5376, 582.2054

 50.7804, 33.7760,
75.8805

 116.4541, 87.1088,
163.5376

 36.2542, 22.7216,
55.8285


 146.9282,
112.8909, 203.3187

 24.8016, 14.3881,
39.6623


182.3027,
143.3158, 249.0784

 16.0572, 8.3911,
26.9636

222.9429,
178.7680, 301.2353

 9.6558, 4.3462,
17.3137

269.2142,
219.6319, 360.2080

 5.2318, 1.8690,
10.2941

321.4820,

 2.4201, 0.5297,

266.2919, 426.4148

5.4862

380.1116,
319.1323, 500.2745

■ 0.8551, 0.0000,
2.4716

■ 0.0000, 0.0000,
0.8250

■ 68.7455, 47.9358,
100.2370

■ 68.7455, 47.9358,
100.2370

■ 65.2609, 41.0891,
99.0991

■ 73.1031, 56.5265,
101.6655

■ 62.5851, 35.8608,
98.2310

■ 78.3834, 66.9633,
103.4017

■ 60.6524, 32.1185,
97.6105

■ 84.6374, 79.3476,
105.4625

■ 59.3847, 29.7063,
97.2117

■ 91.9115, 93.7716,
107.8632

■ 58.6869, 28.4334,
97.0028

95.0500, 100.0000,
108.9000

■ 58.4586, 28.0514,
96.9411

Harmonies

Analogous

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



57.1831, 47.9358, 141.4295



68.7455, 47.9358, 100.2370



74.0760, 47.9358, 56.4937

Triad

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



68.7455, 47.9358, 100.2370



47.0391, 47.9358, 9.1820



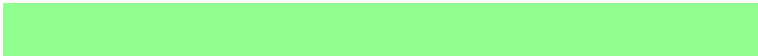
27.2312, 47.9358, 89.4451

Complementary

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



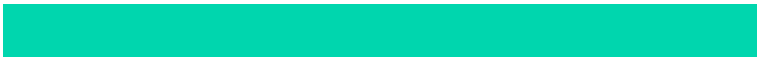
68.7455, 47.9358, 100.2370



52.2208, 79.4331, 38.5688

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.



25.5026, 47.9358, 48.1181



68.7455, 47.9358, 100.2370



35.6320, 47.9358, 11.6074

Square

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



68.7455, 47.9358, 100.2370



60.1802, 47.9358, 13.2130



28.2817, 47.9358, 22.6421



33.5256, 47.9358, 133.4471

Rectangle

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



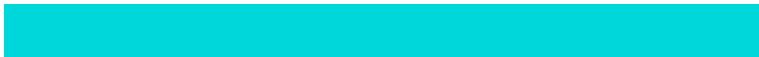
68.7455, 47.9358, 100.2370



72.7706, 47.9358, 34.9356



28.2817, 47.9358, 22.6421



26.1531, 47.9358, 74.3652

Sweetspot

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



68.7470, 47.9379, 100.2373



85.2628, 80.5869, 105.6687



39.4847, 33.2721, 98.9488



17.9314, 16.6181, 22.5125



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.



68.7470, 47.9379, 100.2373



65.5465, 41.6491, 99.1921



61.5907, 45.1177, 60.6404



18.7758, 18.2917, 22.7910



30.5532, 14.6613, 50.6542



2.9798, 1.4301, 4.9322

Inverse Universe

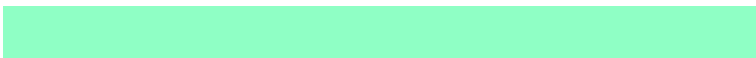
The Inverse Universe completely reimagines the original color for something new.



56.0978, 42.9205, 31.7152



51.3930, 36.0387, 22.3543



57.1824, 81.3977, 65.6028



18.0160, 17.9897, 18.7014



21.5581, 11.1125, 1.0577



2.1012, 1.0829, 0.1146

Previews

White Background



This preview shows how the XYZ color 68.7455, 47.9358, 100.2370 looks on a white background.

Color Contrast Check

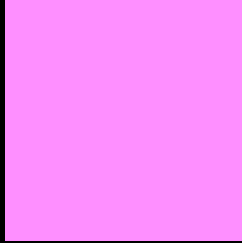
Large Text (above 18pt) WCAG AA × Fail

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 68.7455, 47.9358, 100.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

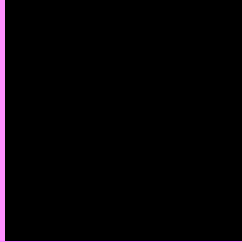
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7455, 47.9358, 100.2370

Background



This preview shows how black text looks on a background with the XYZ color 68.7455, 47.9358, 100.2370.



This preview shows how white text looks on a background with the XYZ color 68.7455, 47.9358,

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

68.7455, 47.9358, 100.2370

Protanopia

49.4759, 48.2530, 101.3138

Deuteranopia

49.6076, 48.4487, 95.5439



Tritanopia

57.6931, 47.7788, 46.2259

Trichromacy



Original Color

68.7455, 47.9358, 100.2370



Protanomaly

54.5583, 46.8274, 100.7708



Deuteranomaly

54.9684, 47.1124, 97.4632

Tritanomaly

61.0465, 47.3795, 62.4276

Monochromacy



Original Color

68.7455, 47.9358, 100.2370



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

54.2033, 48.4553, 69.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7455, 47.9358, 100.2370 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(254, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 143, 255)  
}
```

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(254, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.7455, 47.9358, 100.2370 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(254, 143, 255) }
```


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

```
.border{ border-color:rgb(254, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7455, 47.9358, 100.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 143, 255) }
```

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

```
.background{ background-color: rgb(254,  
143, 255) }
```

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