

Converting Colors

XYZ(67.4819, 47.8135,
100.2800)

Have a look what the booklet for
XYZ(67.4819, 47.8135, 100.2800)
contains.

XYZ(67.5997, 47.7948, 100.2702)	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(67.5997, 47.7948,
100.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	FA91FF
RGB	250, 145, 255
RGB Percent	98%, 57%, 100%
CMY	0.0196, 0.4313, 0.0000
CMYK	0.02, 0.43, 0.00, 0.00
HSL	297°, 100%, 78%
HSV	297°, 43%, 100%
XYZ	67.5997, 47.7948, 100.2702
YIQ	188.9350, 27.2700, 56.4700

Conversions

Conversions Part 2

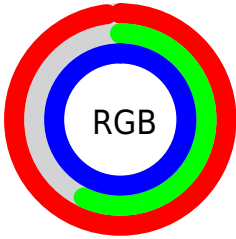
Format	Color
R_{YB}	250, 145, 255
Decimal	16421375
CIE _{Lab}	74.70, 55.38, -38.21
CIE _{LCh}	75, 67.286, 325.398
Yxy	47.7948, 0.3134, 0.2216
Android (android.graphics.Color)	4294611455 (0xFFFA91FF)
YUV	188.9350, 32.5700, 53.5540
Hunter-Lab	69.1338, 53.5550, -37.5993

Details

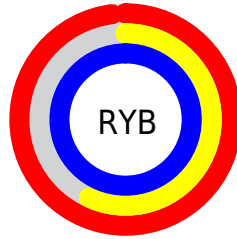
The XYZ color **67.5997, 47.7948, 100.2702** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.4497, 80.0489, 39.4243**, and the grayscale version is **48.1430, 50.6502, 55.1580**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **35.6724, 22.7659, 55.9402** is the 20% darker color. If you saturate the color by 10%, you get **63.7181, 40.6452, 99.0947**, and if you desaturate by 10%, it is **72.3612, 56.6985, 101.7378**.

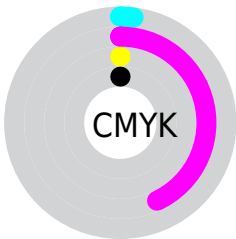
Distribution



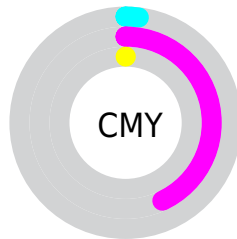
- Red (98%)
- Green (57%)
- Blue (100%)



- Red (98%)
- Yellow (57%)
- Blue (100%)



- Cyan (2%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5997, 47.7948, 100.2702 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 67.5997, 47.7948, 100.2702 by changing the saturation by 10% instead.


 67.5997, 47.7948,
100.2702


 67.5997, 47.7948,
100.2702


441.4754,
377.9782, 582.3127

 49.8446, 33.6644,
75.9081

 114.8244, 86.8988,
163.5836

 35.5073, 22.6359,
55.8509

 145.0247,
112.6412, 203.3719

 24.2222, 14.3249,
39.6802


180.1041,
143.0231, 249.1393

 15.6242, 8.3470,
26.9774

220.4280,
178.4288, 301.3045

 9.3478, 4.3178,
17.3240

266.3617,
219.2428, 360.2858

 5.0276, 1.8529,
10.3014

318.2706,

 2.2984, 0.5198,

265.8494, 426.5020

5.4910

376.5201,
318.6331, 500.3714

■ 0.7938, 0.0000,
2.4744

■ 0.0000, 0.0000,
0.8265

■ 67.5997, 47.7948,
100.2702

■ 67.5997, 47.7948,
100.2702

■ 63.7181, 40.6452,
99.0947

■ 72.3612, 56.6985,
101.7378

■ 60.6527, 35.1252,
98.1908

■ 78.0518, 67.4576,
103.5146

■ 58.3384, 31.1036,
97.5366

■ 84.7224, 80.1729,
105.6173

■ 56.6982, 28.4266,
97.1063

■ 92.4190, 94.9362,
108.0613

■ 55.6387, 26.9070,
96.8688

95.0500, 100.0000,
108.9000

■ 55.1545, 26.3481,
96.7865

Harmonies

Analogous

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



56.2492, 47.7948, 139.3714



67.5997, 47.7948, 100.2702



73.0494, 47.7948, 57.6186

Triad

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



67.5997, 47.7948, 100.2702



47.3357, 47.7948, 9.6930



27.3618, 47.7948, 86.4981

Complementary

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



67.5997, 47.7948, 100.2702



53.4497, 80.0489, 39.4243

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.



25.8284, 47.7948, 46.8344



67.5997, 47.7948, 100.2702



36.0913, 47.7948, 11.8874

Square

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



67.5997, 47.7948, 100.2702



60.0923, 47.7948, 14.0174



28.7261, 47.7948, 22.4542



33.3666, 47.7948, 129.2330

Rectangle

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



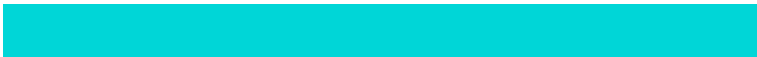
67.5997, 47.7948, 100.2702



72.0025, 47.7948, 36.1634



28.7261, 47.7948, 22.4542



26.3579, 47.7948, 71.9933

Sweetspot

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



67.6012, 47.7969, 100.2705



84.8194, 80.3583, 105.6480



40.7153, 35.2146, 99.2589



17.8205, 16.5609, 22.5073



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.



67.6012, 47.7969, 100.2705



64.1165, 41.3725, 99.2141



62.4465, 45.9447, 63.6531



18.7063, 18.2558, 22.7878



28.8552, 13.7859, 50.5747



2.8337, 1.3548, 4.9254

Inverse Universe

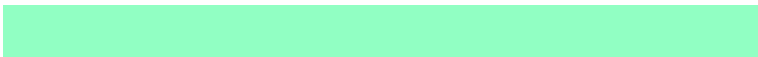
The Inverse Universe completely reimagines the original color for something new.



56.8716, 43.7147, 34.2963



52.1731, 36.8473, 24.9317



57.2323, 81.4580, 64.0422



18.0428, 18.0004, 18.8427



21.5964, 11.1279, 1.2592



2.1140, 1.0880, 0.1818

Previews

White Background



This preview shows how the XYZ color 67.5997, 47.7948, 100.2702 looks on a white background.

Color Contrast Check

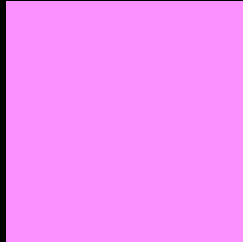
Large Text (above 18pt) WCAG AA × Fail

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 67.5997, 47.7948, 100.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

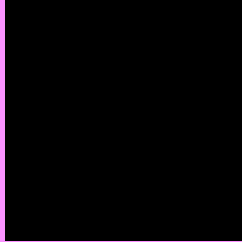
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5997, 47.7948, 100.2702

Background



This preview shows how black text looks on a background with the XYZ color 67.5997, 47.7948, 100.2702.



This preview shows how white text looks on a background with the XYZ color 67.5997, 47.7948,

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

67.5997, 47.7948, 100.2702

Protanopia

49.4759, 48.2530, 101.3138

Deuteranopia

49.1930, 47.9320, 95.4660



Tritanopia

56.7702, 47.8148, 46.7945

Trichromacy



Original Color

67.5997, 47.7948, 100.2702



Protanomaly

54.2303, 46.9334, 100.8085



Deuteranomaly

54.4412, 46.8406, 97.4386

Tritanomaly

60.0958, 47.3697, 63.1026

Monochromacy



Original Color

67.5997, 47.7948, 100.2702



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.8178, 48.5401, 69.4835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5997, 47.7948, 100.2702 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, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 145, 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(250, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5997, 47.7948, 100.2702 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, 145, 255) }
```


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

```
.border{ border-color:rgb(250, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5997, 47.7948, 100.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 145, 255) }
```

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

```
.background{ background-color: rgb(250,  
145, 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](#).

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