

Converting Colors

XYZ(68.4108, 48.4147, 94.8008)

Have a look what the booklet for
XYZ(68.4108, 48.4147, 94.8008)
contains.

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Color

**XYZ(68.3087, 48.2881,
94.5272)**

Conversions

Conversions Part 1

Format	Color
Hex	FF91F8
RGB	255, 145, 248
RGB Percent	100%, 57%, 97%
CMY	0.0000, 0.4313, 0.0274
CMYK	0.00, 0.43, 0.03, 0.00
HSL	304°, 100%, 78%
HSV	304°, 43%, 100%
XYZ	68.3087, 48.2881, 94.5272
YIQ	189.6320, 32.4970, 55.3530

Conversions

Conversions Part 2

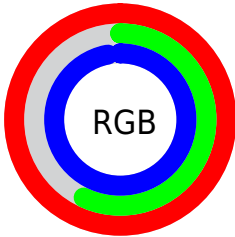
Format	Color
RYB	255, 145, 248
Decimal	16749048
CIELab	75.01, 55.60, -33.89
CIElCh	75, 65.111, 328.639
Yxy	48.2881, 0.3235, 0.2287
Android (android.graphics.Color)	4294939128 (0xFFFF91F8)
YUV	189.6320, 28.7754, 57.3277
Hunter-Lab	69.4896, 53.8596, -32.0098

Details

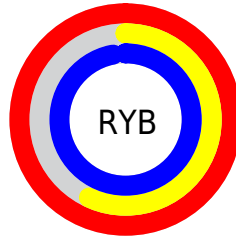
The XYZ color **68.3087, 48.2881, 94.5272** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1060, 79.8074, 42.3133**, and the grayscale version is **48.5601, 51.0890, 55.6360**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **35.8251, 22.8097, 51.8047** is the 20% darker color. If you saturate the color by 10%, you get **64.5899, 41.2515, 92.0515**, and if you desaturate by 10%, it is **72.9061, 57.0780, 97.3078**.

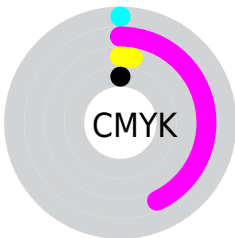
Distribution



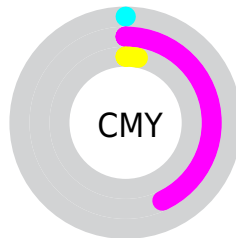
- Red (100%)
- Green (57%)
- Blue (97%)



- Red (100%)
- Yellow (57%)
- Blue (97%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3087, 48.2881, 94.5272 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 68.3087, 48.2881, 94.5272 by changing the saturation by 10% instead.


 68.3087, 48.2881,
94.5272


 68.3087, 48.2881,
94.5272


443.9486,
379.9330, 563.5959

 50.4235, 34.0551,
71.1468

 115.8331, 87.6332,
155.6012

 35.9692, 22.9359,
51.9794


 146.2031,
113.5141, 194.1319

 24.5804, 14.5462,
36.6066


181.4653,
144.0464, 238.5498

 15.8918, 8.5015,
24.6096

221.9853,
179.6145, 289.2734

 9.5380, 4.4175,
15.5701

268.1282,
220.6028, 346.7213

 5.1536, 1.9097,
9.0694

320.2595,

 2.3734, 0.5542,

267.3957, 411.3119

4.6890

378.7445,
320.3776, 483.4640

■ 0.8318, 0.0000,
2.0105

■ 0.0000, 0.0000,
0.5617

■ 68.3087, 48.2881,
94.5272

■ 68.3087, 48.2881,
94.5272

■ 64.5899, 41.2515,
92.0515

■ 72.9061, 57.0780,
97.3078

■ 61.6874, 35.8441,
89.8580

■ 78.4327, 67.7231,
100.4083

■ 59.5356, 31.9348,
87.9255

■ 84.9389, 80.3239,
103.8462

■ 58.0576, 29.3696,
86.2282

■ 92.4708, 94.9724,
107.6368

■ 57.1599, 27.9614,
84.7350

95.0500, 100.0000,
108.9000

■ 56.7866, 27.4786,
83.7971

Harmonies

Analogous

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



57.7449, 48.2881, 133.4845



68.3087, 48.2881, 94.5272



72.7455, 48.2881, 54.1474

Triad

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



68.3087, 48.2881, 94.5272



46.4413, 48.2881, 10.5343



28.6182, 48.2881, 90.6018

Complementary

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



68.3087, 48.2881, 94.5272



53.1060, 79.8074, 42.3133

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.



26.6300, 48.2881, 51.0383



68.3087, 48.2881, 94.5272



35.7908, 48.2881, 13.5135

Square

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



68.3087, 48.2881, 94.5272



58.8475, 48.2881, 14.1517



29.0162, 48.2881, 25.3406



35.0002, 48.2881, 130.6123

Rectangle

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



68.3087, 48.2881, 94.5272



71.1367, 48.2881, 34.3100



29.0162, 48.2881, 25.3406



27.4681, 48.2881, 76.3939

Sweetspot

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



68.3097, 48.2900, 94.5282



85.0336, 80.5078, 103.8949



40.8472, 34.0047, 99.0184



17.8741, 16.5983, 22.0688



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.



68.3097, 48.2900, 94.5282



64.9698, 41.9659, 92.3180



61.1605, 45.4303, 56.8812



18.7398, 18.2792, 22.5130



29.6936, 14.3667, 43.8985



2.9057, 1.4046, 4.3506

Inverse Universe

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



68.3097, 48.2900, 94.5282



64.9698, 41.9659, 92.3180



58.5183, 81.9724, 70.8143



18.7398, 18.2792, 22.5130



29.6936, 14.3667, 43.8985



2.9057, 1.4046, 4.3506

Previews

White Background



This preview shows how the XYZ color 68.3087, 48.2881, 94.5272 looks on a white background.

Color Contrast Check

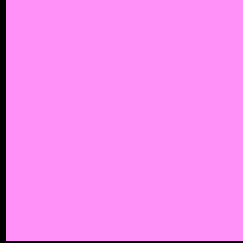
Large Text (above 18pt) WCAG AA × Fail

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 68.3087, 48.2881, 94.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

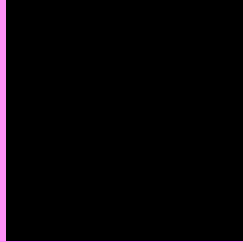
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3087, 48.2881, 94.5272

Background



This preview shows how black text looks on a background with the XYZ color 68.3087, 48.2881, 94.5272.



This preview shows how white text looks on a background with the XYZ color 68.3087, 48.2881,

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

68.3087, 48.2881, 94.5272

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.8387, 48.6910, 89.9906



Tritanopia

58.2937, 48.0997, 45.7469

Trichromacy



Original Color

68.3087, 48.2881, 94.5272



Protanomaly

54.5236, 47.1400, 98.3207



Deuteranomaly

55.1457, 47.6041, 91.8700



Tritanomaly

61.2136, 47.7526, 60.6344

Monochromacy



Original Color

68.3087, 48.2881, 94.5272



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.6255, 49.2714, 68.2593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3087, 48.2881, 94.5272 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, 145, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 248)  
}
```

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, 145, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 248) }
```

Border

The CSS property to change the border of an element to XYZ 68.3087, 48.2881, 94.5272 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, 145, 248) }
```


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

```
.border{ border-color:rgb(255, 145, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 145, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3087, 48.2881, 94.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 248) }
```

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

```
.background{ background-color: rgb(255,  
145, 248) }
```

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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