

Converting Colors

XYZ(107.7385, 70.2850,
91.8279)

Have a look what the booklet for
XYZ(107.7385, 70.2850, 91.8279)
contains.

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Color

**XYZ(68.4952, 50.1273,
90.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	FF98F2
RGB	255, 152, 242
RGB Percent	100%, 60%, 95%
CMY	0.0000, 0.4039, 0.0510
CMYK	0.00, 0.40, 0.05, 0.00
HSL	308°, 100%, 80%
HSV	308°, 40%, 100%
XYZ	68.4952, 50.1273, 90.0698
YIQ	193.0570, 32.4980, 49.8260

Conversions

Conversions Part 2

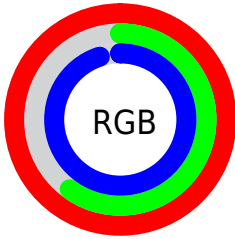
Format	Color
RYB	255, 152, 242
Decimal	16750834
CIELab	76.15, 51.09, -28.87
CIElCh	76, 58.681, 330.528
Yxy	50.1273, 0.3282, 0.2402
Android (android.graphics.Color)	4294940914 (0xFFFF98F2)
YUV	193.0570, 24.1289, 54.3240
Hunter-Lab	70.8006, 48.7865, -25.8660

Details

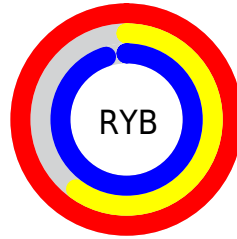
The XYZ color **68.4952, 50.1273, 90.0698** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.5021, 80.9128, 48.2923**, and the grayscale version is **50.5727, 53.2064, 57.9418**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **36.2566, 24.1509, 49.2050** is the 20% darker color. If you saturate the color by 10%, you get **64.3136, 42.5306, 86.3124**, and if you desaturate by 10%, it is **73.5772, 59.5106, 94.1706**.

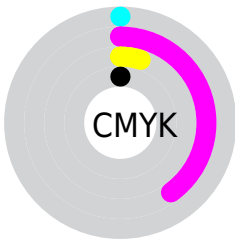
Distribution



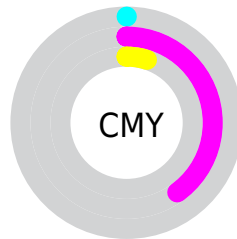
- Red (100%)
- Green (60%)
- Blue (95%)



- Red (100%)
- Yellow (60%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4952, 50.1273, 90.0698 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 68.4952, 50.1273, 90.0698 by changing the saturation by 10% instead.


 68.4952, 50.1273,
90.0698


 68.4952, 50.1273,
90.0698


444.5978,
387.1636, 548.8338

 50.5759, 35.5146,
67.4645

 116.0983, 90.3635,
149.3717

 36.0908, 24.0595,
48.9982

 146.5128,
116.7557, 186.9054

 24.6748, 15.3778,
34.2525


181.8230,
147.8432, 230.2523

 15.9624, 9.0849,
22.8087

222.3943,
184.0103, 279.8309

 9.5882, 4.7966,
14.2483

268.5921,
225.6415, 336.0599

 5.1870, 2.1284,
8.1529

320.7817,

 2.3932, 0.6805,

273.1212, 399.3577

4.1038

379.3285,
326.8338, 470.1428

■ 0.8417, 0.0000,
1.6824

■ 0.0000, 0.0000,
0.3487

■ 68.4952, 50.1273,
90.0698

■ 68.4952, 50.1273,
90.0698

■ 64.3136, 42.5306,
86.3124

■ 73.5772, 59.5106,
94.1706

■ 60.9713, 36.5994,
82.8760

■ 79.6087, 70.7793,
98.6293

■ 58.4052, 32.2070,
79.7398

■ 86.6391, 84.0322,
103.4635

■ 56.5415, 29.2060,
76.8790

■ 94.7136, 99.3595,
108.6883

■ 55.2921, 27.4203,
74.2642

95.0500, 100.0000,
108.9000

■ 54.5344, 26.5778,
71.9375

Harmonies

Analogous

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



59.1964, 50.1273, 125.0067



68.4952, 50.1273, 90.0698



72.0341, 50.1273, 54.0245

Triad

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



68.4952, 50.1273, 90.0698



47.4501, 50.1273, 13.6906



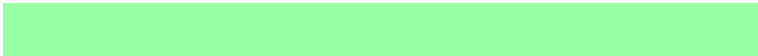
31.6712, 50.1273, 91.4249

Complementary

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



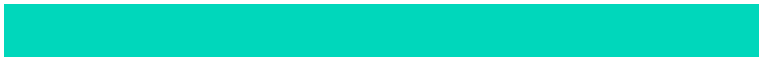
68.4952, 50.1273, 90.0698



55.5021, 80.9128, 48.2923

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.



29.4942, 50.1273, 55.1395



68.4952, 50.1273, 90.0698



37.7026, 50.1273, 17.3018

Square

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



68.4952, 50.1273, 90.0698



58.8076, 50.1273, 17.0440



31.5232, 50.1273, 29.9046



37.9918, 50.1273, 125.9778

Rectangle

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



68.4952, 50.1273, 90.0698



70.2833, 50.1273, 36.0006



31.5232, 50.1273, 29.9046



30.4782, 50.1273, 78.6533

Sweetspot

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



68.4964, 50.1293, 90.0708



85.4376, 81.7603, 102.6590



44.5937, 37.5734, 99.5098



18.0828, 17.1140, 21.8352



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.



68.4964, 50.1293, 90.0708



65.2345, 44.1904, 87.1805



61.9269, 47.5016, 55.4766



18.6882, 18.2586, 22.2410



28.5342, 13.9030, 37.7930



2.8047, 1.3643, 3.8190

Inverse Universe

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



68.4964, 50.1293, 90.0708



65.2345, 44.1904, 87.1805



61.0426, 83.1290, 77.4684



18.6882, 18.2586, 22.2410



28.5342, 13.9030, 37.7930



2.8047, 1.3643, 3.8190

Previews

White Background



This preview shows how the XYZ color 68.4952, 50.1273, 90.0698 looks on a white background.

Color Contrast Check

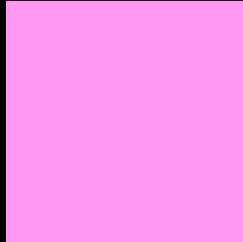
Large Text (above 18pt) WCAG AA × Fail

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 68.4952, 50.1273, 90.0698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

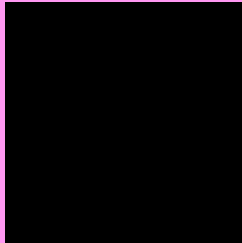
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4952, 50.1273, 90.0698

Background



This preview shows how black text looks on a background with the XYZ color 68.4952, 50.1273, 90.0698.



This preview shows how white text looks on a background with the XYZ color 68.4952, 50.1273,

90.0698.

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

68.4952, 50.1273, 90.0698

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

51.5722, 50.2822, 86.3442



Tritanopia

59.8488, 49.8988, 48.5965

Trichromacy



Original Color

68.4952, 50.1273, 90.0698



Protanomaly

56.2108, 49.4536, 97.0253



Deuteranomaly

56.4796, 49.2334, 87.4151



Tritanomaly

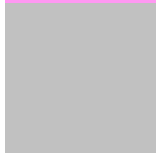
62.5378, 49.6827, 61.5520

Monochromacy



Original Color

68.4952, 50.1273, 90.0698



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

55.9972, 51.1429, 68.5482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4952, 50.1273, 90.0698 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, 152, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 242)  
}
```

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, 152, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 242) }
```

Border

The CSS property to change the border of an element to XYZ 68.4952, 50.1273, 90.0698 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, 152, 242) }
```


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

```
.border{ border-color:rgb(255, 152, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4952, 50.1273, 90.0698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 242) }
```

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

```
.background{ background-color: rgb(255,  
152, 242) }
```

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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