

Converting Colors

XYZ(68.7391, 50.4999, 90.5060)

Have a look what the booklet for
XYZ(68.7391, 50.4999, 90.5060)
contains.

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Color

**XYZ(68.6582, 50.4533,
90.1242)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99F2
RGB	255, 153, 242
RGB Percent	100%, 60%, 95%
CMY	0.0000, 0.4000, 0.0510
CMYK	0.00, 0.40, 0.05, 0.00
HSL	308°, 100%, 80%
HSV	308°, 40%, 100%
XYZ	68.6582, 50.4533, 90.1242
YIQ	193.6440, 32.2230, 49.3030

Conversions

Conversions Part 2

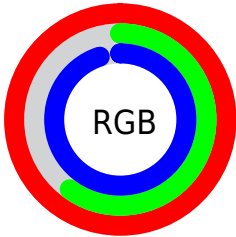
Format	Color
R _Y B	255, 153, 242
Decimal	16751090
CIE Lab	76.35, 50.58, -28.56
CIE LCh	76, 58.092, 330.546
Yxy	50.4533, 0.3281, 0.2411
Android (android.graphics.Color)	4294941170 (0xFFFF99F2)
YUV	193.6440, 23.8395, 53.8092
Hunter-Lab	71.0305, 48.2351, -25.5064

Details

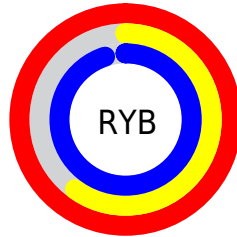
The XYZ color **68.6582, 50.4533, 90.1242** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.7815, 81.0463, 48.7825**, and the grayscale version is **50.9196, 53.5714, 58.3393**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **36.3507, 24.3392, 49.2364** is the 20% darker color. If you saturate the color by 10%, you get **64.4381, 42.7871, 86.3310**, and if you desaturate by 10%, it is **73.7811, 59.9105, 94.2623**.

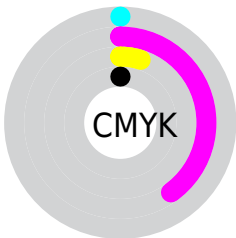
Distribution



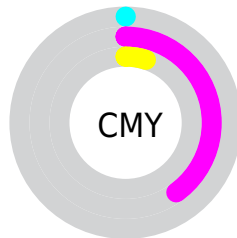
- Red (100%)
- Green (60%)
- Blue (95%)



- 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 68.6582, 50.4533, 90.1242 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 68.6582, 50.4533, 90.1242 by changing the saturation by 10% instead.


 68.6582, 50.4533,
90.1242


 68.6582, 50.4533,
90.1242


445.1648,
388.4360, 549.0153

 50.7090, 35.7737,
67.5094


 116.3300, 90.8461,
149.4479

 36.1972, 24.2595,
49.0345


 146.7833,
117.3282, 186.9939

 24.7573, 15.5262,
34.2810


182.1354,
148.5132, 230.3540

 16.0241, 9.1895,
22.8305

222.7516,
184.7855, 279.9468

 9.6322, 4.8650,
14.2643

268.9973,
226.5295, 336.1907

 5.2162, 2.1683,
8.1638

321.2378,

 2.4107, 0.7026,

274.1297, 399.5045

4.1107

379.8385,
327.9704, 470.3065

■ 0.8504, 0.0000,
1.6863

■ 0.0000, 0.0000,
0.3513

■ 68.6582, 50.4533,
90.1242

■ 68.6582, 50.4533,
90.1242

■ 64.4381, 42.7871,
86.3310

■ 73.7811, 59.9105,
94.2623

■ 61.0599, 36.7911,
82.8605

■ 79.8555, 71.2571,
98.7600

■ 58.4606, 32.3394,
79.6919

■ 86.9308, 84.5917,
103.6346

■ 56.5671, 29.2854,
76.8007

95.0500, 100.0000,
108.9000

■ 55.2919, 27.4544,
74.1576

■ 54.4922, 26.5610,
71.7146

■ 54.4920, 26.5608,
71.7140

Harmonies

Analogous

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



59.4362, 50.4533, 124.6969



68.6582, 50.4533, 90.1242



72.1621, 50.4533, 54.3638

Triad

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



68.6582, 50.4533, 90.1242



47.7544, 50.4533, 14.0766



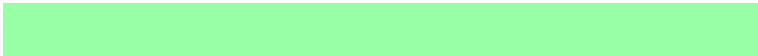
32.0499, 50.4533, 91.5125

Complementary

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



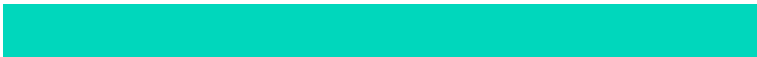
68.6582, 50.4533, 90.1242



55.7815, 81.0463, 48.7825

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.



29.8744, 50.4533, 55.5104



68.6582, 50.4533, 90.1242



38.0555, 50.4533, 17.7174

Square

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



68.6582, 50.4533, 90.1242



59.0370, 50.4533, 17.4492



31.8971, 50.4533, 30.3551



38.3535, 50.4533, 125.6897

Rectangle

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



68.6582, 50.4533, 90.1242



70.4237, 50.4533, 36.4185



31.8971, 50.4533, 30.3551



30.8585, 50.4533, 78.8563

Sweetspot

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



68.6594, 50.4554, 90.1252



85.4317, 81.7579, 102.6276



44.9396, 37.9937, 99.5727



18.0814, 17.1134, 21.8277



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.



68.6594, 50.4554, 90.1252



65.2121, 44.1814, 87.0624



62.1582, 47.8549, 55.8903



18.6872, 18.2582, 22.2357



28.5123, 13.8942, 37.6778



2.8028, 1.3635, 3.8089

Inverse Universe

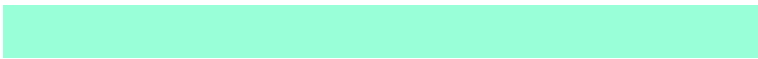
The Inverse Universe completely reimagines the original color for something new.



68.6594, 50.4554, 90.1252



65.2121, 44.1814, 87.0624



61.2801, 83.2457, 77.7378



18.6872, 18.2582, 22.2357



28.5123, 13.8942, 37.6778



2.8028, 1.3635, 3.8089

Previews

White Background



This preview shows how the XYZ color 68.6582, 50.4533, 90.1242 looks on a white background.

Color Contrast Check

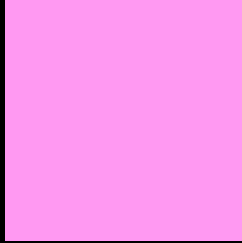
Large Text (above 18pt) WCAG AA × Fail

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 68.6582, 50.4533, 90.1242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

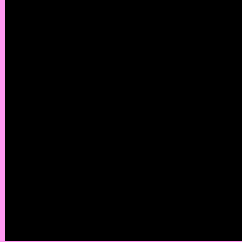
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6582, 50.4533, 90.1242

Background



This preview shows how black text looks on a background with the XYZ color 68.6582, 50.4533, 90.1242.

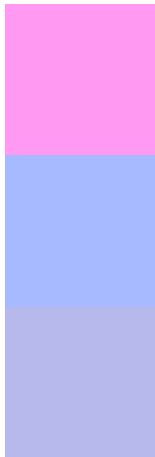


This preview shows how white text looks on a background with the XYZ color 68.6582, 50.4533,

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

68.6582, 50.4533, 90.1242

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

52.0177, 50.8213, 86.4247



Tritanopia

60.1307, 50.3013, 49.1877

Trichromacy



Original Color

68.6582, 50.4533, 90.1242



Protanomaly

56.2108, 49.4536, 97.0253



Deuteranomaly

56.6707, 49.6155, 87.4788



Tritanomaly

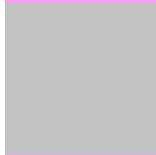
62.8299, 50.0780, 62.2316

Monochromacy



Original Color

68.6582, 50.4533, 90.1242



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.1969, 51.5423, 68.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6582, 50.4533, 90.1242 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, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 242) }
```

Border

The CSS property to change the border of an element to XYZ 68.6582, 50.4533, 90.1242 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, 153, 242) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6582, 50.4533, 90.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 242) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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