

Converting Colors

XYZ(68.9660, 50.5764, 91.7450)

Have a look what the booklet for
XYZ(68.9660, 50.5764, 91.7450)
contains.

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Color

**XYZ(68.9604, 50.5741,
91.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	FF99F4
RGB	255, 153, 244
RGB Percent	100%, 60%, 96%
CMY	0.0000, 0.4000, 0.0431
CMYK	0.00, 0.40, 0.04, 0.00
HSL	306°, 100%, 80%
HSV	306°, 40%, 100%
XYZ	68.9604, 50.5741, 91.7151
YIQ	193.8720, 31.5810, 49.9250

Conversions

Conversions Part 2

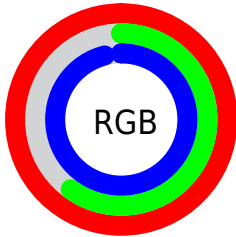
Format	Color
RYB	255, 153, 244
Decimal	16751092
CIELab	76.42, 50.92, -29.54
CIElCh	76, 58.869, 329.886
Yxy	50.5741, 0.3264, 0.2394
Android (android.graphics.Color)	4294941172 (0xFFFF99F4)
YUV	193.8720, 24.7131, 53.6093
Hunter-Lab	71.1155, 48.6387, -26.6834

Details

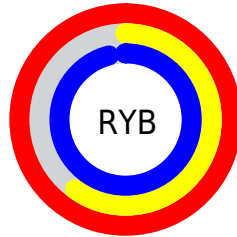
The XYZ color **68.9604, 50.5741, 91.7151** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.5993, 80.9734, 47.8233**, and the grayscale version is **51.0492, 53.7077, 58.4877**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **36.5649, 24.4248, 50.3642** is the 20% darker color. If you saturate the color by 10%, you get **64.8096, 42.9356, 88.2873**, and if you desaturate by 10%, it is **74.0113, 60.0025, 95.4750**.

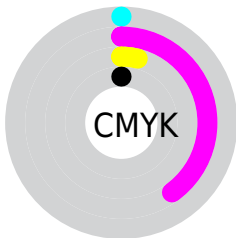
Distribution



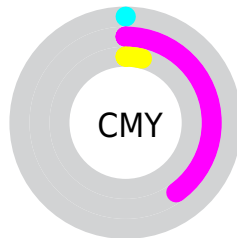
- Red (100%)
- Green (60%)
- Blue (96%)



- Red (100%)
- Yellow (60%)
- Blue (96%)



- Cyan (0%)
- Magenta (40%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9604, 50.5741, 91.7151 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 68.9604, 50.5741, 91.7151 by changing the saturation by 10% instead.


 68.9604, 50.5741,
91.7151


 68.9604, 50.5741,
91.7151


446.2149,
388.9068, 554.3078

 50.9560, 35.8698,
68.8223


 116.7594, 91.0249,
151.6747

 36.3945, 24.3336,
50.0962


 147.2847,
117.5402, 189.5787

 24.9105, 15.5813,
35.1181


182.7143,
148.7612, 233.3234

 16.1388, 9.2284,
23.4696

223.4136,
185.0724, 283.3274

 9.7139, 4.8904,
14.7321

269.7480,
226.8582, 340.0093

 5.2705, 2.1831,
8.4870

322.0827,

 2.4432, 0.7108,

274.5029, 403.7877

4.3159

380.7832,
328.3910, 475.0810

■ 0.8667, 0.0000,
1.8002

■ 0.0000, 0.0000,
0.4281

■ 68.9604, 50.5741,
91.7151

■ 68.9604, 50.5741,
91.7151

■ 64.8096, 42.9356,
88.2873

■ 74.0113, 60.0025,
95.4750

■ 61.4983, 36.9664,
85.1693

■ 80.0114, 71.3193,
99.5815

■ 58.9636, 32.5405,
82.3406

■ 87.0099, 84.6231,
104.0519

■ 57.1322, 29.5114,
79.7767

95.0500, 100.0000,
108.9000

■ 55.9168, 27.7044,
77.4483

■ 55.1745, 26.8339,
75.3077

■ 55.1743, 26.8337,
75.3072

Harmonies

Analogous

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



59.4887, 50.5741, 126.7429



68.9604, 50.5741, 91.7151



72.6843, 50.5741, 55.1886

Triad

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



68.9604, 50.5741, 91.7151



48.1117, 50.5741, 13.8057



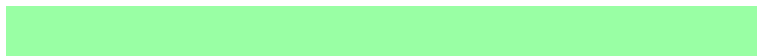
31.8586, 50.5741, 91.4187

Complementary

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



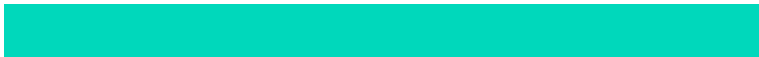
68.9604, 50.5741, 91.7151



55.5993, 80.9734, 47.8233

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.



29.7526, 50.5741, 54.9448



68.9604, 50.5741, 91.7151



38.2134, 50.5741, 17.2904

Square

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



68.9604, 50.5741, 91.7151



59.5737, 50.5741, 17.3468



31.8909, 50.5741, 29.7703



38.1501, 50.5741, 126.5305

Rectangle

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



68.9604, 50.5741, 91.7151



71.0231, 50.5741, 36.8064



31.8909, 50.5741, 29.7703



30.6850, 50.5741, 78.5443

Sweetspot

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



68.9614, 50.5761, 91.7161



85.5265, 81.7958, 103.1269



44.5885, 37.8126, 99.5562



18.1038, 17.1224, 21.9460



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.



68.9614, 50.5761, 91.7161



65.5699, 44.3245, 88.9468



62.3477, 47.9306, 56.8887



18.7033, 18.2646, 22.3206



28.8638, 14.0348, 39.5288



2.8335, 1.3758, 3.9708

Inverse Universe

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



68.9614, 50.5761, 91.7161



65.5699, 44.3245, 88.9468



61.0614, 83.1583, 76.5868



18.7033, 18.2646, 22.3206



28.8638, 14.0348, 39.5288



2.8335, 1.3758, 3.9708

Previews

White Background



This preview shows how the XYZ color 68.9604, 50.5741, 91.7151 looks on a white background.

Color Contrast Check

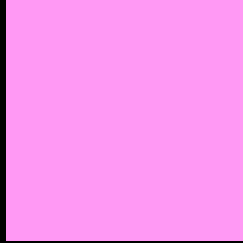
Large Text (above 18pt) WCAG AA × Fail

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 68.9604, 50.5741, 91.7151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

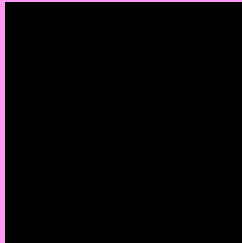
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9604, 50.5741, 91.7151

Background



This preview shows how black text looks on a background with the XYZ color 68.9604, 50.5741, 91.7151.



This preview shows how white text looks on a background with the XYZ color 68.9604, 50.5741,

91.7151.

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

68.9604, 50.5741, 91.7151

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.0730, 50.8161, 87.9529



Tritanopia

60.3132, 50.6663, 49.2485

Trichromacy



Original Color

68.9604, 50.5741, 91.7151



Protanomaly

56.5620, 49.9043, 97.9181



Deuteranomaly

56.9662, 49.7337, 89.0352



Tritanomaly

63.1242, 50.4765, 62.9158

Monochromacy



Original Color

68.9604, 50.5741, 91.7151



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.3227, 51.5926, 69.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9604, 50.5741, 91.7151 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 244) }
```

Border

The CSS property to change the border of an element to XYZ 68.9604, 50.5741, 91.7151 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, 244) }
```


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

```
.border{ border-color:rgb(255, 153, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9604, 50.5741, 91.7151 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, 244) }
```

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

```
.background{ background-color: rgb(255,  
153, 244) }
```

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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