

Converting Colors

XYZ(68.2208, 50.6229,
100.7833)

Have a look what the booklet for
XYZ(68.2208, 50.6229, 100.7833)
contains.

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Color

**XYZ(68.2962, 50.7711,
100.8079)**

Conversions

Conversions Part 1

Format	Color
Hex	F79CFF
RGB	247, 156, 255
RGB Percent	97%, 61%, 100%
CMY	0.0314, 0.3882, 0.0000
CMYK	0.03, 0.39, 0.00, 0.00
HSL	295°, 100%, 81%
HSV	295°, 39%, 100%
XYZ	68.2962, 50.7711, 100.8079
YIQ	194.4950, 22.4570, 50.0810

Conversions

Conversions Part 2

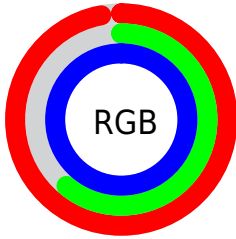
Format	Color
R _Y B	247, 156, 255
Decimal	16227583
CIE Lab	76.54, 48.96, -35.38
CIE LCh	77, 60.403, 324.150
Yxy	50.7711, 0.3106, 0.2309
Android (android.graphics.Color)	4294417663 (0xFF79CFF)
YUV	194.4950, 29.8290, 46.0469
Hunter-Lab	71.2538, 46.3965, -34.0041

Details

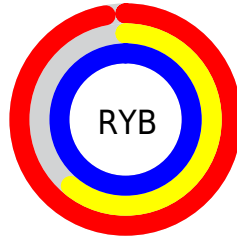
The XYZ color **68.2962, 50.7711, 100.8079** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.0719, 81.8134, 44.2385**, and the grayscale version is **51.3922, 54.0686, 58.8808**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **35.9307, 24.3988, 56.2418** is the 20% darker color. If you saturate the color by 10%, you get **63.7358, 42.7220, 99.4947**, and if you desaturate by 10%, it is **73.7659, 60.6249, 102.4216**.

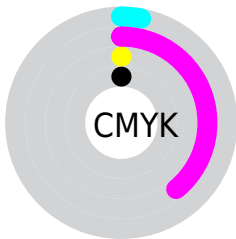
Distribution



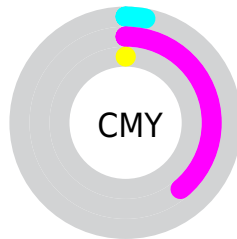
- Red (97%)
- Green (61%)
- Blue (100%)



- Red (97%)
- Yellow (61%)
- Blue (100%)



- Cyan (3%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2962, 50.7711, 100.8079 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 68.2962, 50.7711, 100.8079 by changing the saturation by 10% instead.


 68.2962, 50.7711,
100.8079


 68.2962, 50.7711,
100.8079


443.9050,
389.6738, 584.0486

 50.4133, 36.0265,
76.3548

 115.8154, 91.3163,
164.3285

 35.9610, 24.4546,
56.2151

 146.1823,
117.8857, 204.2331

 24.5741, 15.6712,
39.9702


181.4414,
149.1655, 250.1253

 15.8871, 9.2918,
27.2017

221.9578,
185.5400, 302.4235

 9.5346, 4.9320,
17.4910

268.0971,
227.3937, 361.5465

 5.1514, 2.2074,
10.4195

320.2245,

 2.3720, 0.7240,

275.1110, 427.9126

5.5688

378.7053,
329.0762, 501.9404

■ 0.8311, 0.0000,
2.5202

■ 0.0000, 0.0000,
0.8508

■ 68.2962, 50.7711,
100.8079

■ 68.2962, 50.7711,
100.8079

■ 63.7358, 42.7220,
99.4947

■ 73.7659, 60.6249,
102.4216

■ 60.0233, 36.3578,
98.4619

■ 80.1919, 72.3803,
104.3520

■ 57.0971, 31.5544,
97.6890

■ 87.6236, 86.1352,
106.6152

■ 54.8852, 28.1679,
97.1519

95.0500, 100.0000,
108.9000

■ 53.3024, 26.0277,
96.8222

■ 52.2248, 24.8862,
96.6587

■ 52.1122, 24.7797,
96.6441

Harmonies

Analogous

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



57.7926, 50.7711, 134.6406



68.2962, 50.7711, 100.8079



73.5152, 50.7711, 61.9308

Triad

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



68.2962, 50.7711, 100.8079



50.5256, 50.7711, 13.3924



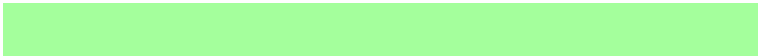
30.8892, 50.7711, 85.1518

Complementary

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



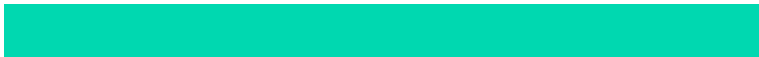
68.2962, 50.7711, 100.8079



57.0719, 81.8134, 44.2385

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.



29.5682, 50.7711, 49.1253



68.2962, 50.7711, 100.8079



39.8315, 50.7711, 15.5029

Square

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



68.2962, 50.7711, 100.8079



62.2682, 50.7711, 18.4095



32.5788, 50.7711, 26.0603



36.5220, 50.7711, 123.3850

Rectangle

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



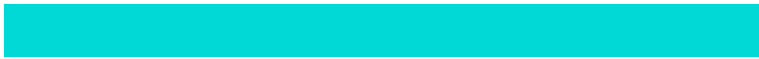
68.2962, 50.7711, 100.8079



72.7882, 50.7711, 41.3095



32.5788, 50.7711, 26.0603



29.9675, 50.7711, 72.0936

Sweetspot

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



68.2978, 50.7733, 100.8083



85.1495, 81.5407, 105.8588



45.0825, 40.9308, 100.1321



18.0144, 17.0619, 22.5938



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.



68.2978, 50.7733, 100.8083



64.5017, 44.0593, 99.7124



65.2354, 49.8812, 69.6424



18.6393, 18.2213, 22.7846



27.2903, 12.9792, 50.5015



2.6983, 1.2849, 4.9191

Inverse Universe

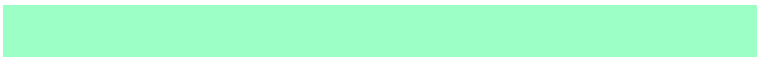
The Inverse Universe completely reimagines the original color for something new.



59.8306, 47.7193, 41.1811



55.0229, 40.6690, 31.6706



59.5785, 82.6313, 65.7849



18.0689, 18.0109, 18.9801



21.6383, 11.1446, 1.4797



2.1263, 1.0929, 0.2468

Previews

White Background



This preview shows how the XYZ color 68.2962, 50.7711, 100.8079 looks on a white background.

Color Contrast Check

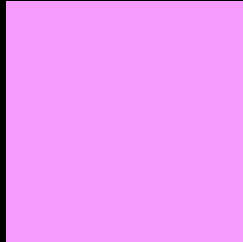
Large Text (above 18pt) WCAG AA × Fail

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 68.2962, 50.7711, 100.8079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

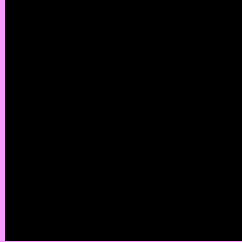
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2962, 50.7711, 100.8079

Background



This preview shows how black text looks on a background with the XYZ color 68.2962, 50.7711, 100.8079.



This preview shows how white text looks on a background with the XYZ color 68.2962, 50.7711,

100.8079.

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

68.2962, 50.7711, 100.8079

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.3370, 51.0713, 96.7218



Tritanopia

58.1397, 50.5910, 52.0482

Trichromacy



Original Color

68.2962, 50.7711, 100.8079



Protanomaly

56.6013, 50.1410, 101.3027



Deuteranomaly

56.8300, 50.0425, 97.9307

Tritanomaly

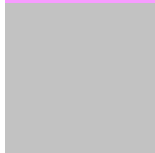
61.5447, 50.6264, 67.5009

Monochromacy



Original Color

68.2962, 50.7711, 100.8079



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.1565, 51.7465, 71.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2962, 50.7711, 100.8079 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(247, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 156, 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(247, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.2962, 50.7711, 100.8079 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(247, 156, 255) }
```


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

```
.border{ border-color:rgb(247, 156, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 156, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2962, 50.7711, 100.8079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 156, 255) }
```

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

```
.background{ background-color: rgb(247,  
156, 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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