

Converting Colors

XYZ(68.2481, 48.2086,
100.3159)

Have a look what the booklet for
XYZ(68.2481, 48.2086, 100.3159)
contains.

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Color

**XYZ(68.3203, 48.1662,
100.3039)**

Conversions

Conversions Part 1

Format	Color
Hex	FC91FF
RGB	252, 145, 255
RGB Percent	99%, 57%, 100%
CMY	0.0118, 0.4314, 0.0000
CMYK	0.01, 0.43, 0.00, 0.00
HSL	298°, 100%, 78%
HSV	298°, 43%, 100%
XYZ	68.3203, 48.1662, 100.3039
YIQ	189.5330, 28.4620, 56.8940

Conversions

Conversions Part 2

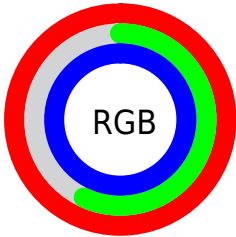
Format	Color
R _Y B	252, 145, 255
Decimal	16552447
CIE Lab	74.93, 55.95, -37.83
CIE LCh	75, 67.541, 325.940
Yxy	48.1662, 0.3151, 0.2222
Android (android.graphics.Color)	4294742527 (0xFFFC91FF)
YUV	189.5330, 32.2752, 54.7836
Hunter-Lab	69.4019, 54.2649, -37.1083

Details

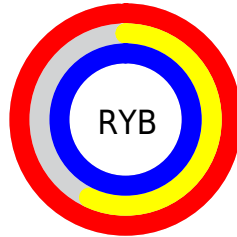
The XYZ color **68.3203, 48.1662, 100.3039** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.0847, 79.8607, 39.4071**, and the grayscale version is **48.4858, 51.0108, 55.5508**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **35.9264, 22.8968, 55.9521** is the 20% darker color. If you saturate the color by 10%, you get **64.6014, 41.1006, 99.1361**, and if you desaturate by 10%, it is **72.9174, 56.9852, 101.7638**.

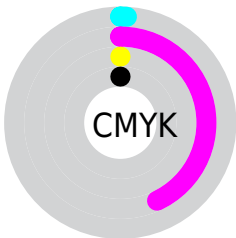
Distribution



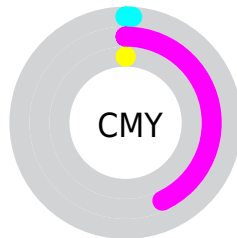
- Red (99%)
- Green (57%)
- Blue (100%)



- Red (99%)
- Yellow (57%)
- Blue (100%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3203, 48.1662, 100.3039 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 68.3203, 48.1662, 100.3039 by changing the saturation by 10% instead.


 68.3203, 48.1662,
100.3039


 68.3203, 48.1662,
100.3039


443.9890,
379.4505, 582.4216

 50.4330, 33.9585,
75.9361

 115.8496, 87.4518,
163.6303

 35.9768, 22.8617,
55.8737


 146.2224,
113.2985, 203.4259

 24.5863, 14.4914,
39.6984


181.4876,
143.7937, 249.2012

 15.8962, 8.4633,
26.9915

222.0107,
179.3218, 301.3747

 9.5411, 4.3928,
17.3344

268.1570,
220.2671, 360.3649

 5.1557, 1.8956,
10.3087

320.2920,

 2.3746, 0.5457,

267.0141, 426.5904

5.4959

378.7808,
319.9471, 500.4698

■ 0.8324, 0.0000,
2.4773

■ 0.0000, 0.0000,
0.8281

■ 68.3203, 48.1662,
100.3039

■ 68.3203, 48.1662,
100.3039

■ 64.6014, 41.1006,
99.1361

■ 72.9174, 56.9852,
101.7638

■ 61.6971, 35.6636,
98.2397

■ 78.4420, 67.6586,
103.5328

■ 59.5423, 31.7243,
97.5929

■ 84.9450, 80.2875,
105.6277

■ 58.0600, 29.1286,
97.1700

■ 92.4723, 94.9636,
108.0637

■ 57.1567, 27.6896,
96.9399

95.0500, 100.0000,
108.9000

■ 56.7789, 27.1855,
96.8625

Harmonies

Analogous

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



56.9333, 48.1662, 140.0621



68.3203, 48.1662, 100.3039



73.6793, 48.1662, 57.3923

Triad

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



68.3203, 48.1662, 100.3039



47.4769, 48.1662, 9.7260



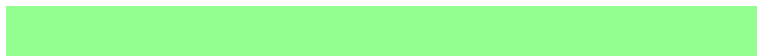
27.6251, 48.1662, 88.0327

Complementary

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



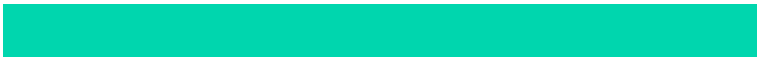
68.3203, 48.1662, 100.3039



53.0847, 79.8607, 39.4071

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.



25.9979, 48.1662, 47.7902



68.3203, 48.1662, 100.3039



36.1886, 48.1662, 12.0560

Square

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



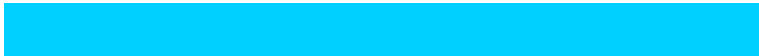
68.3203, 48.1662, 100.3039



60.3565, 48.1662, 13.9483



28.8392, 48.1662, 22.9054



33.7633, 48.1662, 131.0250

Rectangle

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



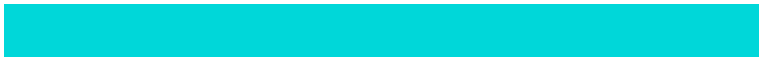
68.3203, 48.1662, 100.3039



72.5174, 48.1662, 35.9457



28.8392, 48.1662, 22.9054



26.5856, 48.1662, 73.3486

Sweetspot

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



68.3218, 48.1683, 100.3042



85.0398, 80.4719, 105.6583



40.4236, 34.6315, 99.1617



17.8756, 16.5894, 22.5099



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.



68.3218, 48.1683, 100.3042



64.9815, 41.8184, 99.2546



62.2257, 45.8563, 62.4905



18.7408, 18.2736, 22.7894



29.6902, 14.2164, 50.6138



2.9057, 1.3919, 4.9288

Inverse Universe

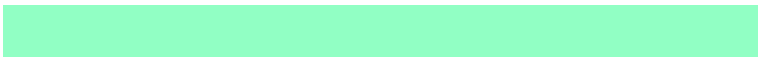
The Inverse Universe completely reimagines the original color for something new.



56.7118, 43.6507, 33.4549



52.0156, 36.7842, 24.1020



57.4402, 81.5411, 65.1371



18.0294, 17.9951, 18.7722



21.5773, 11.1202, 1.1589



2.1076, 1.0854, 0.1483

Previews

White Background



This preview shows how the XYZ color 68.3203, 48.1662, 100.3039 looks on a white background.

Color Contrast Check

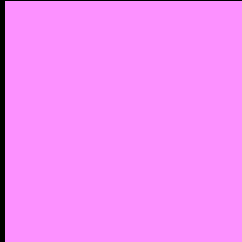
Large Text (above 18pt) WCAG AA × Fail

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 68.3203, 48.1662, 100.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

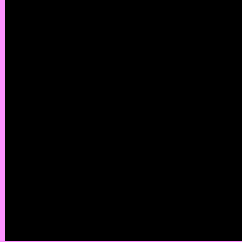
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3203, 48.1662, 100.3039

Background



This preview shows how black text looks on a background with the XYZ color 68.3203, 48.1662, 100.3039.



This preview shows how white text looks on a background with the XYZ color 68.3203, 48.1662,

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

68.3203, 48.1662, 100.3039

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.6076, 48.4487, 95.5439



Tritanopia

57.4530, 48.1668, 46.8265

Trichromacy



Original Color

68.3203, 48.1662, 100.3039



Protanomaly

54.7436, 47.1980, 100.8326



Deuteranomaly

54.8893, 47.3467, 97.5126

Tritanomaly

60.7936, 47.7294, 63.1353

Monochromacy



Original Color

68.3203, 48.1662, 100.3039



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

54.7142, 49.2733, 70.2453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3203, 48.1662, 100.3039 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(252, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 145, 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(252, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3203, 48.1662, 100.3039 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(252, 145, 255) }
```


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

```
.border{ border-color:rgb(252, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3203, 48.1662, 100.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 145, 255) }
```

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

```
.background{ background-color: rgb(252,  
145, 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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