

Converting Colors

XYZ(68.7844, 48.4078,
100.3261)

Have a look what the booklet for
XYZ(68.7844, 48.4078, 100.3261)
contains.

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Color

**XYZ(68.6834, 48.3534,
100.3209)**

Conversions

Conversions Part 1

Format	Color
Hex	FD91FF
RGB	253, 145, 255
RGB Percent	99%, 57%, 100%
CMY	0.0078, 0.4314, 0.0000
CMYK	0.01, 0.43, 0.00, 0.00
HSL	299°, 100%, 78%
HSV	299°, 43%, 100%
XYZ	68.6834, 48.3534, 100.3209
YIQ	189.8320, 29.0580, 57.1060

Conversions

Conversions Part 2

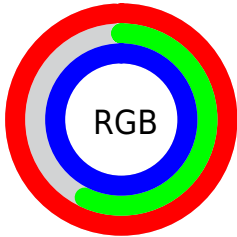
Format	Color
R _Y B	253, 145, 255
Decimal	16617983
CIE Lab	75.05, 56.24, -37.64
CIE LCh	75, 67.671, 326.209
Yxy	48.3534, 0.3160, 0.2225
Android (android.graphics.Color)	4294808063 (0xFFFD91FF)
YUV	189.8320, 32.1278, 55.3983
Hunter-Lab	69.5366, 54.6208, -36.8624

Details

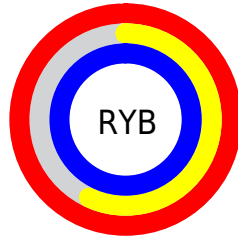
The XYZ color **68.6834, 48.3534, 100.3209** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **52.9046, 79.7679, 39.3987**, and the grayscale version is **48.6578, 51.1917, 55.7478**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **36.0973, 22.8589, 55.9357** is the 20% darker color. If you saturate the color by 10%, you get **65.0473, 41.3305, 99.1569**, and if you desaturate by 10%, it is **73.1972, 57.1294, 101.7769**.

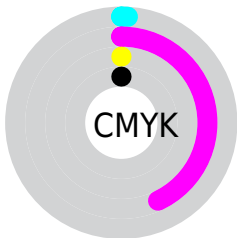
Distribution



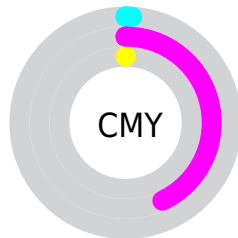
- Red (99%)
- Green (57%)
- Blue (100%)



- 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 68.6834, 48.3534, 100.3209 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 68.6834, 48.3534, 100.3209 by changing the saturation by 10% instead.


 68.6834, 48.3534,
100.3209


 68.6834, 48.3534,
100.3209

445.2524,
380.1912, 582.4765

 50.7296, 34.1068,
75.9502

 116.3658, 87.7303,
163.6538

 36.2136, 22.9757,
55.8853


 146.8251,
113.6295, 203.4531

 24.7701, 14.5756,
39.7076

182.1837,
144.1817, 249.2323

 16.0337, 8.5220,
26.9985

222.8069,
179.7712, 301.4100

 9.6390, 4.4308,
17.3397

269.0599,
220.7826, 360.4048

 5.2207, 1.9173,
10.3125

321.3083,

 2.4134, 0.5588,

267.6001, 426.6351

5.4983

379.9174,
320.6082, 500.5195

■ 0.8518, 0.0000,
2.4787

■ 0.0000, 0.0000,
0.8288

■ 68.6834, 48.3534,
100.3209

■ 68.6834, 48.3534,
100.3209

■ 65.0473, 41.3305,
99.1569

■ 73.1972, 57.1294,
101.7769

■ 62.2253, 35.9359,
98.2644

■ 78.6380, 67.7597,
103.5420

■ 60.1523, 32.0387,
97.6215

■ 85.0566, 80.3451,
105.6329

■ 58.7513, 29.4850,
97.2024

■ 92.4991, 94.9774,
108.0650

■ 57.9288, 28.0876,
96.9760

95.0500, 100.0000,
108.9000

■ 57.6061, 27.6119,
96.9012

Harmonies

Analogous

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



57.2783, 48.3534, 140.4085



68.6834, 48.3534, 100.3209



73.9964, 48.3534, 57.2796

Triad

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



68.6834, 48.3534, 100.3209



47.5482, 48.3534, 9.7430



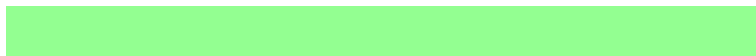
27.7581, 48.3534, 88.8083

Complementary

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



68.6834, 48.3534, 100.3209



52.9046, 79.7679, 39.3987

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.



26.0836, 48.3534, 48.2743



68.6834, 48.3534, 100.3209



36.2378, 48.3534, 12.1415

Square

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



68.6834, 48.3534, 100.3209



60.4894, 48.3534, 13.9142



28.8964, 48.3534, 23.1341



33.9636, 48.3534, 131.9284

Rectangle

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



68.6834, 48.3534, 100.3209



72.7764, 48.3534, 35.8375



28.8964, 48.3534, 23.1341



26.7006, 48.3534, 74.0340

Sweetspot

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



68.6849, 48.3555, 100.3212



85.1502, 80.5289, 105.6635



40.4237, 34.6315, 99.1617



17.9033, 16.6036, 22.5112



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.



68.6849, 48.3555, 100.3212



65.4180, 42.0435, 99.2750



62.2257, 45.8563, 62.4905



18.7581, 18.2826, 22.7902



30.1153, 14.4355, 50.6337



2.9422, 1.4107, 4.9305

Inverse Universe

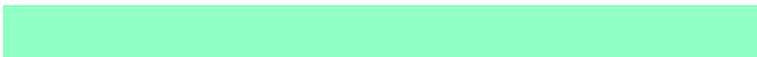
The Inverse Universe completely reimagines the original color for something new.



56.6330, 43.6192, 33.0398



51.9382, 36.7533, 23.6948



57.4402, 81.5411, 65.1371



18.0228, 17.9924, 18.7371



21.5678, 11.1164, 1.1087



2.1045, 1.0842, 0.1316

Previews

White Background



This preview shows how the XYZ color 68.6834, 48.3534, 100.3209 looks on a white background.

Color Contrast Check

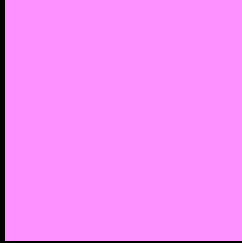
Large Text (above 18pt) WCAG AA × Fail

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 68.6834, 48.3534, 100.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

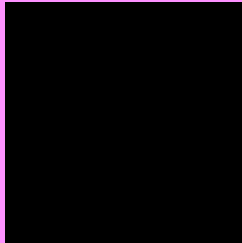
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6834, 48.3534, 100.3209

Background



This preview shows how black text looks on a background with the XYZ color 68.6834, 48.3534, 100.3209.



This preview shows how white text looks on a background with the XYZ color 68.6834, 48.3534,

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

68.6834, 48.3534, 100.3209

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.8197, 48.5580, 95.5538



Tritanopia

57.7972, 48.3442, 46.8426

Trichromacy



Original Color

68.6834, 48.3534, 100.3209



Protanomaly

54.7436, 47.1980, 100.8326



Deuteranomaly

55.1537, 47.4831, 97.5250

Tritanomaly

61.1453, 47.9107, 63.1517

Monochromacy



Original Color

68.6834, 48.3534, 100.3209



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 68.6834, 48.3534, 100.3209 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(253, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.6834, 48.3534, 100.3209 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(253, 145, 255) }
```


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

```
.border{ border-color:rgb(253, 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(253, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6834, 48.3534, 100.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 145, 255) }
```

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

```
.background{ background-color: rgb(253,  
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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