

# Converting Colors

XYZ(68.8134, 53.3634,  
101.2810)

Have a look what the booklet for  
XYZ(68.8134, 53.3634, 101.2810)  
contains.

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# Color

**XYZ(68.8134, 53.3634,  
101.2810)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4A5FF
RGB	244, 165, 255
RGB Percent	96%, 65%, 100%
CMY	0.0431, 0.3529, 0.0000
CMYK	0.04, 0.35, 0.00, 0.00
HSL	293°, 100%, 82%
HSV	293°, 35%, 100%
XYZ	68.8134, 53.3634, 101.2810
YIQ	198.8810, 18.1940, 44.7380

# Conversions

## Conversions Part 2

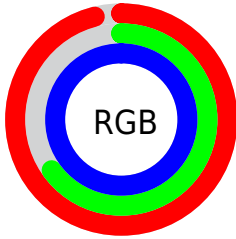
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 165, 255
Decimal	16033279
CIE Lab	78.09, 43.41, -33.01
CIE LCh	78, 54.536, 322.750
Yxy	53.3634, 0.3079, 0.2388
Android (android.graphics.Color)	4294223359 (0xFFFF4A5FF)
YUV	198.8810, 27.6667, 39.5694
Hunter-Lab	73.0503, 40.3092, -31.0678

# Details

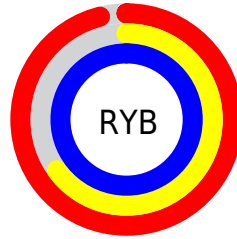
The XYZ color **68.8134, 53.3634, 101.2810** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.4573, 83.4673, 48.5242**, and the grayscale version is **54.0434, 56.8579, 61.9182**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **36.2369, 26.1047, 56.5549** is the 20% darker color. If you saturate the color by 10%, you get **63.5926, 44.5126, 99.8478**, and if you desaturate by 10%, it is **74.9726, 64.0619, 103.0214**.

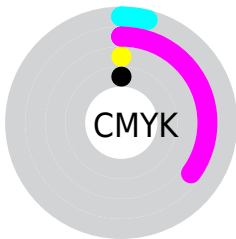
# Distribution



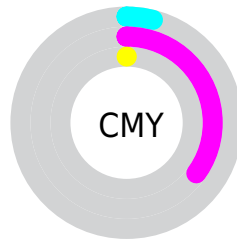
- Red (96%)
- Green (65%)
- Blue (100%)



- Red (96%)
- Yellow (65%)
- Blue (100%)



- Cyan (4%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8134, 53.3634, 101.2810 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 68.8134, 53.3634, 101.2810 by changing the saturation by 10% instead.




 68.8134, 53.3634,  
101.2810

 68.8134, 53.3634,  
101.2810


445.7042,  
399.6778, 585.5736

 50.8358, 38.0929,  
76.7480


 116.5505, 95.1389,  
164.9837

 36.2985, 26.0548,  
56.5357


 147.0408,  
122.4127, 204.9904

 24.8360, 16.8647,  
40.2257

182.4328,  
154.4565, 250.9920

 16.0830, 10.1381,  
27.3995

223.0917,  
191.6545, 303.4072

 9.6741, 5.4906,  
17.6384

269.3829,  
234.3913, 362.6544

 5.2440, 2.5379,  
10.5239

321.6719,

 2.4274, 0.8955,

283.0512, 429.1522

5.6376

380.3239,  
338.0185, 503.3191

■ 0.8588, 0.0000,  
2.5608

■ 0.0000, 0.0000,  
0.8721

■ 68.8134, 53.3634,  
101.2810

■ 68.8134, 53.3634,  
101.2810

■ 63.5926, 44.5126,  
99.8478

■ 74.9726, 64.0619,  
103.0214

■ 59.2504, 37.3931,  
98.7025

■ 82.1157, 76.7018,  
105.0847

■ 55.7279, 31.8859,  
97.8251

■ 90.2910, 91.3788,  
107.4868

■ 52.9563, 27.8540,  
97.1930

95.0500, 100.0000,  
108.9000

■ 50.8559, 25.1376,  
96.7794

■ 49.3278, 23.5396,  
96.5515

■ 48.7400, 23.0413,  
96.4863

# Harmonies

## Analogous

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



59.0517, 53.3634, 130.6302



68.8134, 53.3634, 101.2810



73.8463, 53.3634, 65.8168

# Triad

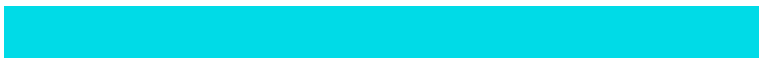
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8134, 53.3634, 101.2810



53.3465, 53.3634, 17.2034



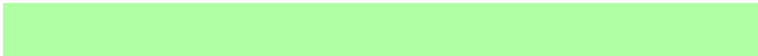
34.0940, 53.3634, 83.8392

# Complementary

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



68.8134, 53.3634, 101.2810



60.4573, 83.4673, 48.5242

# 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.



33.0097, 53.3634, 51.0180



68.8134, 53.3634, 101.2810



43.2119, 53.3634, 19.0854

# Square

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



68.8134, 53.3634, 101.2810



64.1409, 53.3634, 22.8268



36.1141, 53.3634, 29.3617



39.3159, 53.3634, 118.3458



# Rectangle

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



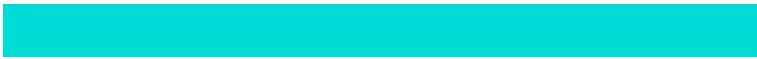
68.8134, 53.3634, 101.2810



73.4092, 53.3634, 46.1063



36.1141, 53.3634, 29.3617



33.2664, 53.3634, 72.0202

# Sweetspot

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



68.8150, 53.3657, 101.2814



85.4955, 82.7465, 106.0733



49.2912, 46.6660, 101.0173



18.0666, 17.2937, 22.6357



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.



68.8150, 53.3657, 101.2814



65.2118, 47.2301, 100.2870



67.8812, 53.4462, 75.8471



18.5613, 18.1811, 22.7810



25.5540, 12.0840, 50.4202



2.5469, 1.2069, 4.9120



# Inverse Universe

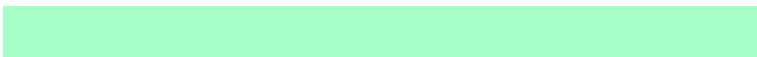
The Inverse Universe completely reimagines the original color for something new.



62.5329, 51.3069, 47.6834



58.2462, 44.9813, 39.3252



61.4716, 83.5973, 66.3241



18.0997, 18.0232, 19.1420



21.7072, 11.1722, 1.8427



2.1408, 1.0987, 0.3230



# Previews

## White Background



This preview shows how the XYZ color 68.8134, 53.3634, 101.2810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

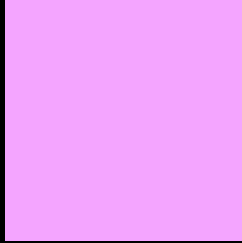
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8134, 53.3634, 101.2810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

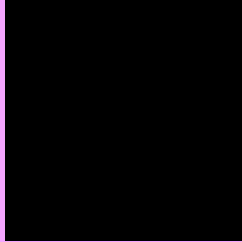
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.8134, 53.3634, 101.2810

## Background



This preview shows how black text looks on a background with the XYZ color 68.8134, 53.3634, 101.2810.



This preview shows how white text looks on a background with the XYZ color 68.8134, 53.3634,



# 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

68.8134, 53.3634, 101.2810

### Protanopia

54.3600, 53.5956, 102.0876

### Deuteranopia

54.9602, 53.6741, 97.9059



## Tritanopia

59.6958, 53.3087, 57.0125

# Trichromacy



## Original Color

68.8134, 53.3634, 101.2810



## Protanomaly

58.5974, 52.9553, 101.7407



## Deuteranomaly

59.2714, 53.0552, 99.2122



## Tritanomaly

62.4692, 52.9706, 71.2218

# Monochromacy



## Original Color

68.8134, 53.3634, 101.2810



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

58.5808, 55.1022, 74.5661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8134, 53.3634, 101.2810 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(244, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 165, 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(244, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 165, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8134, 53.3634, 101.2810 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(244, 165, 255) }
```



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

```
.border{ border-color:rgb(244, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 165,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8134, 53.3634, 101.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 165, 255) }
```

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

```
.background{ background-color: rgb(244,  
165, 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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