

# Converting Colors

XYZ(69.8957, 51.4837,  
100.8612)

Have a look what the booklet for  
XYZ(69.8957, 51.4837, 100.8612)  
contains.

<b>XYZ(70.0834, 51.6924, 100.8916)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(70.0834, 51.6924,  
100.8916)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC9CFF
RGB	252, 156, 255
RGB Percent	99%, 61%, 100%
CMY	0.0118, 0.3882, 0.0000
CMYK	0.01, 0.39, 0.00, 0.00
HSL	298°, 100%, 81%
HSV	298°, 39%, 100%
XYZ	70.0834, 51.6924, 100.8916
YIQ	195.9900, 25.4370, 51.1410

# Conversions

## Conversions Part 2

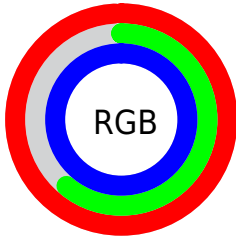
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 156, 255
Decimal	16555263
CIE <sub>Lab</sub>	77.10, 50.43, -34.47
CIE <sub>LCh</sub>	77, 61.089, 325.648
Y <sub>xy</sub>	51.6924, 0.3147, 0.2322
Android (android.graphics.Color)	4294745343 (0xFFFC9CFF)
Y <sub>UV</sub>	195.9900, 29.0919, 49.1208
Hunter-Lab	71.8974, 48.1758, -32.8718

# Details

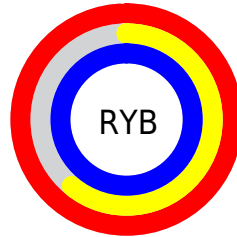
The XYZ color **70.0834, 51.6924, 100.8916** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.0601, 81.2918, 44.1912**, and the grayscale version is **52.2853, 55.0082, 59.9040**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **37.1925, 25.0493, 56.3008** is the 20% darker color. If you saturate the color by 10%, you get **65.9665, 43.8720, 99.5991**, and if you desaturate by 10%, it is **75.1027, 61.3140, 102.4842**.

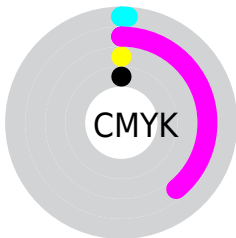
# Distribution



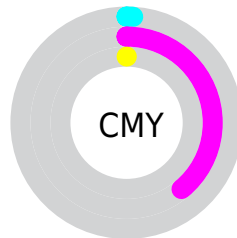
- Red (99%)
- Green (61%)
- Blue (100%)



- Red (99%)
- Yellow (61%)
- Blue (100%)



- Cyan (1%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (39%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0834, 51.6924, 100.8916 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 70.0834, 51.6924, 100.8916 by changing the saturation by 10% instead.




 70.0834, 51.6924,  
100.8916


 70.0834, 51.6924,  
100.8916


450.1046,  
393.2479, 584.3185

 51.8744, 36.7599,  
76.4243


 118.3533, 92.6774,  
164.4445

 37.1288, 25.0217,  
56.2718


 149.1449,  
119.4988, 204.3671

 25.4814, 16.0932,  
40.0154

184.8614,  
151.0520, 250.2787

 16.5667, 9.5901,  
27.2367

225.8681,  
187.7213, 302.5976

 10.0194, 5.1281,  
17.5171

272.5304,  
229.8911, 361.7426

 5.4742, 2.3226,  
10.4380

325.2137,

 2.5657, 0.7856,

277.9459, 428.1320

5.5809

384.2833,  
332.2701, 502.1845

■ 0.9285, 0.0000,  
2.5273

■ 0.0000, 0.0000,  
0.8546

■ 70.0834, 51.6924,  
100.8916

■ 70.0834, 51.6924,  
100.8916

■ 65.9665, 43.8720,  
99.5991

■ 75.1027, 61.3140,  
102.4842

■ 62.6906, 37.7329,  
98.5868

■ 81.0714, 72.8337,  
104.3931

■ 60.1941, 33.1510,  
97.8339

■ 88.0390, 86.3493,  
106.6347

■ 58.4052, 29.9826,  
97.3167

95.0500, 100.0000,  
108.9000

■ 57.2385, 28.0568,  
97.0064

■ 56.5703, 27.1264,  
96.8621

■ 56.5056, 27.0446,  
96.8497

# Harmonies

## Analogous

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



59.4988, 51.6924, 136.3649



70.0834, 51.6924, 100.8916



75.0747, 51.6924, 61.3028

# Triad

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



70.0834, 51.6924, 100.8916



50.8545, 51.6924, 13.4470



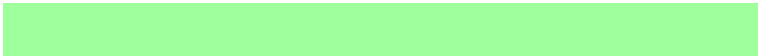
31.5530, 51.6924, 88.9344

# Complementary

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



70.0834, 51.6924, 100.8916



56.0601, 81.2918, 44.1912

# 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.



29.9822, 51.6924, 51.5473



70.0834, 51.6924, 100.8916



40.0454, 51.6924, 15.9552

# Square

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



70.0834, 51.6924, 100.8916



62.9126, 51.6924, 18.1534



32.8375, 51.6924, 27.2520



37.5269, 51.6924, 127.7563



# Rectangle

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



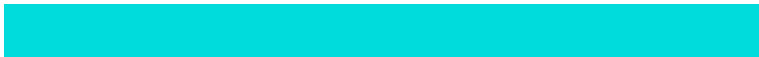
70.0834, 51.6924, 100.8916



74.0617, 51.6924, 40.6689



32.8375, 51.6924, 27.2520



30.5374, 51.6924, 75.4584

# Sweetspot

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



70.0850, 51.6946, 100.8919



85.7132, 81.8312, 105.8852



44.2121, 39.1899, 99.8419



18.1480, 17.1308, 22.6000



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.



70.0850, 51.6946, 100.8919



66.6521, 45.1679, 99.8131



64.6136, 49.6325, 66.3681



18.7351, 18.2707, 22.7891



29.5497, 14.1439, 50.6072



2.8936, 1.3856, 4.9282



# Inverse Universe

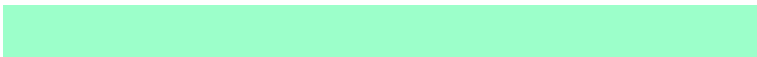
The Inverse Universe completely reimagines the original color for something new.



59.3877, 47.5422, 38.8491



54.5690, 40.4875, 29.2806



60.1561, 82.8624, 68.8267



18.0317, 17.9960, 18.7840



21.5805, 11.1215, 1.1756



2.1087, 1.0859, 0.1539



# Previews

## White Background



This preview shows how the XYZ color 70.0834, 51.6924, 100.8916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

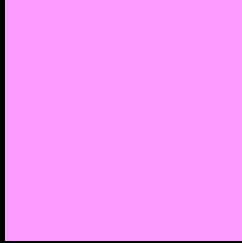
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0834, 51.6924, 100.8916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

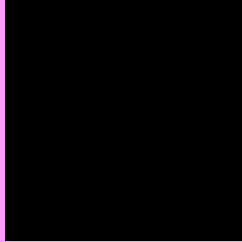
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.0834, 51.6924, 100.8916

## Background



This preview shows how black text looks on a background with the XYZ color 70.0834, 51.6924, 100.8916.



This preview shows how white text looks on a background with the XYZ color 70.0834, 51.6924,

100.8916.

# 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

70.0834, 51.6924, 100.8916

### Protanopia

53.0422, 52.2731, 101.9018

### Deuteranopia

53.4422, 52.2710, 96.8951



## Tritanopia

60.1768, 51.6412, 52.1435

# Trichromacy



## Original Color

70.0834, 51.6924, 100.8916



## Protanomaly

57.5916, 50.9436, 101.4054



## Deuteranomaly

58.1148, 50.9948, 98.0468



## Tritanomaly

63.2751, 51.5184, 67.5819

# Monochromacy



## Original Color

70.0834, 51.6924, 100.8916



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

57.3672, 52.6564, 72.7858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0834, 51.6924, 100.8916 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 156, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0834, 51.6924, 100.8916 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, 156, 255) }
```



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

```
.border{ border-color:rgb(252, 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(252, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 156,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0834, 51.6924, 100.8916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 156, 255) }
```

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

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