

Converting Colors

XYZ(80.9149, 59.8219, 89.3317)

Have a look what the booklet for
XYZ(80.9149, 59.8219, 89.3317)
contains.

XYZ(70.4233, 54.4615, 89.2385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.4233, 54.4615,
89.2385)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA5F0
RGB	255, 165, 240
RGB Percent	100%, 65%, 94%
CMY	0.0000, 0.3529, 0.0588
CMYK	0.00, 0.35, 0.06, 0.00
HSL	310°, 100%, 82%
HSV	310°, 35%, 100%
XYZ	70.4233, 54.4615, 89.2385
YIQ	200.4600, 29.5650, 42.4050

Conversions

Conversions Part 2

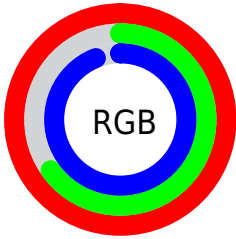
Format	Color
R _Y B	255, 165, 240
Decimal	16754160
CIE Lab	78.73, 44.12, -23.84
CIE LCh	79, 50.150, 331.619
Yxy	54.4615, 0.3289, 0.2543
Android (android.graphics.Color)	4294944240 (0xFFFFA5F0)
YUV	200.4600, 19.4932, 47.8316
Hunter-Lab	73.7980, 41.1908, -20.0364

Details

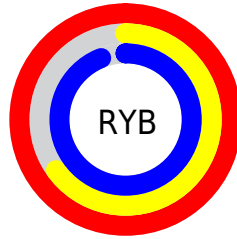
The XYZ color **70.4233, 54.4615, 89.2385** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.5170, 82.8154, 56.0307**, and the grayscale version is **55.0552, 57.9224, 63.0775**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **37.3621, 26.6999, 48.5318** is the 20% darker color. If you saturate the color by 10%, you get **65.6502, 45.9137, 84.5694**, and if you desaturate by 10%, it is **76.1305, 64.8533, 94.2933**.

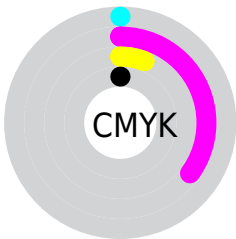
Distribution



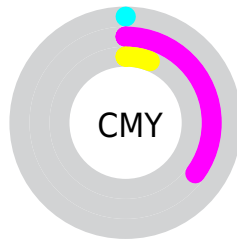
- Red (100%)
- Green (65%)
- Blue (94%)



- Red (100%)
- Yellow (65%)
- Blue (94%)



- Cyan (0%)
- Magenta (35%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4233, 54.4615, 89.2385 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 70.4233, 54.4615, 89.2385 by changing the saturation by 10% instead.


 70.4233, 54.4615,
89.2385


 70.4233, 54.4615,
89.2385


451.2782,
403.8674, 546.0567

 52.1525, 38.9707,
66.7791


 118.8352, 96.7515,
148.2064

 37.3514, 26.7370,
48.4446


 149.7070,
124.3196, 185.5521

 25.6546, 17.3758,
33.8167


185.5100,
156.6822, 228.6968

 16.6968, 10.5028,
22.4766

226.6093,
194.2238, 278.0592

 10.1125, 5.7336,
14.0058

273.3705,
237.3287, 334.0579

 5.5364, 2.6838,
7.9859

326.1587,

 2.6033, 0.9690,

286.3813, 397.1113

3.9983

385.3395,
341.7661, 467.6381

■ 0.9476, 0.0000,
1.6244

■ 0.0000, 0.0000,
0.3081

■ 70.4233, 54.4615,
89.2385

■ 70.4233, 54.4615,
89.2385

■ 65.6502, 45.9137,
84.5694

■ 76.1305, 64.8533,
94.2933

■ 61.7527, 39.0938,
80.2640

■ 82.8185, 77.1832,
99.7478

■ 58.6712, 33.8827,
76.3025

■ 90.5352, 91.5465,
105.6192

■ 56.3372, 30.1434,
72.6617

95.0500, 100.0000,
108.9000

■ 54.6708, 27.7162,
69.3144

■ 53.5732, 26.4038,
66.2271

■ 53.1869, 26.0387,
64.8413

Harmonies

Analogous

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



62.4211, 54.4615, 119.0377



70.4233, 54.4615, 89.2385



73.2662, 54.4615, 57.7698

Triad

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



70.4233, 54.4615, 89.2385



51.2272, 54.4615, 19.7414



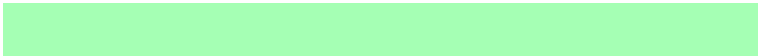
37.1616, 54.4615, 92.7940

Complementary

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



70.4233, 54.4615, 89.2385



59.5170, 82.8154, 56.0307

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.



34.9434, 54.4615, 60.8556



70.4233, 54.4615, 89.2385



42.3947, 54.4615, 23.8862

Square

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



70.4233, 54.4615, 89.2385



61.3699, 54.4615, 23.0545



36.7313, 54.4615, 36.9396



43.2168, 54.4615, 121.5099

Rectangle

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



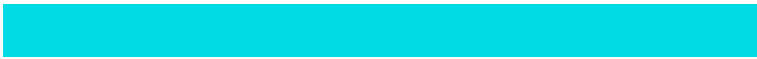
70.4233, 54.4615, 89.2385



71.5973, 54.4615, 41.3652



36.7313, 54.4615, 36.9396



35.9800, 54.4615, 81.7868

Sweetspot

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



70.4245, 54.4637, 89.2396



86.0018, 83.0934, 102.2157



49.9824, 43.6572, 100.4001



18.1882, 17.3770, 21.7097



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.



70.4245, 54.4637, 89.2396



67.1222, 48.5316, 86.0655



64.7174, 52.1809, 59.1866



18.6550, 18.2453, 22.0663



27.8394, 13.6251, 34.1344



2.7436, 1.3398, 3.4973

Inverse Universe

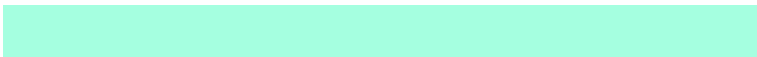
The Inverse Universe completely reimagines the original color for something new.



70.4245, 54.4637, 89.2396



67.1222, 48.5316, 86.0655



64.6653, 84.8748, 83.1417



18.6550, 18.2453, 22.0663



27.8394, 13.6251, 34.1344



2.7436, 1.3398, 3.4973

Previews

White Background



This preview shows how the XYZ color 70.4233, 54.4615, 89.2385 looks on a white background.

Color Contrast Check

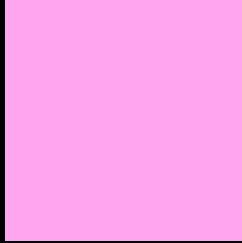
Large Text (above 18pt) WCAG AA × Fail

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 70.4233, 54.4615, 89.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

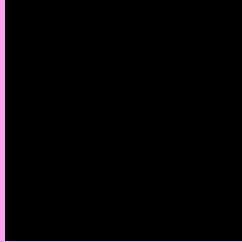
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4233, 54.4615, 89.2385

Background



This preview shows how black text looks on a background with the XYZ color 70.4233, 54.4615, 89.2385.



This preview shows how white text looks on a background with the XYZ color 70.4233, 54.4615,

89.2385.

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

70.4233, 54.4615, 89.2385

Protanopia

55.4801, 54.8249, 102.2659

Deuteranopia

55.8743, 54.7291, 86.2161



Tritanopia

63.4740, 54.4305, 54.7377

Trichromacy



Original Color

70.4233, 54.4615, 89.2385



Protanomaly

59.6424, 53.8909, 97.7010



Deuteranomaly

60.3329, 54.1693, 87.3966



Tritanomaly

65.6091, 54.1400, 66.0236

Monochromacy



Original Color

70.4233, 54.4615, 89.2385



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.5513, 55.6626, 71.8952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4233, 54.4615, 89.2385 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(255, 165, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 240)  
}
```

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(255, 165, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 240) }
```

Border

The CSS property to change the border of an element to XYZ 70.4233, 54.4615, 89.2385 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(255, 165, 240) }
```


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

```
.border{ border-color:rgb(255, 165, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4233, 54.4615, 89.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 240) }
```

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

```
.background{ background-color: rgb(255,  
165, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor