

Converting Colors

XYZ(70.6375, 54.7643, 89.6969)

Have a look what the booklet for
XYZ(70.6375, 54.7643, 89.6969)
contains.

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Color

**XYZ(70.7534, 54.8833,
90.0835)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA6F1
RGB	255, 166, 241
RGB Percent	100%, 65%, 95%
CMY	0.0000, 0.3490, 0.0549
CMYK	0.00, 0.35, 0.05, 0.00
HSL	309°, 100%, 83%
HSV	309°, 35%, 100%
XYZ	70.7534, 54.8833, 90.0835
YIQ	201.1610, 28.9690, 42.1930

Conversions

Conversions Part 2

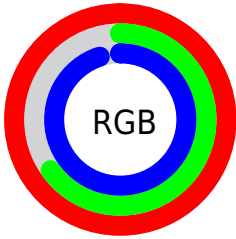
Format	Color
R _Y B	255, 166, 241
Decimal	16754417
CIE _{Lab}	78.97, 43.78, -24.01
CIE _{LCh}	79, 49.927, 331.260
Yxy	54.8833, 0.3280, 0.2544
Android (android.graphics.Color)	4294944497 (0xFFFFA6F1)
YUV	201.1610, 19.6406, 47.2168
Hunter-Lab	74.0833, 40.8311, -20.2370

Details

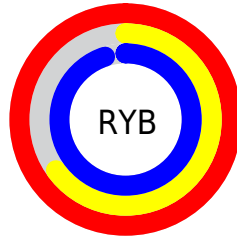
The XYZ color **70.7534, 54.8833, 90.0835** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.7258, 82.9231, 56.0405**, and the grayscale version is **55.4879, 58.3776, 63.5732**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **37.5771, 26.9614, 49.1225** is the 20% darker color. If you saturate the color by 10%, you get **65.9767, 46.2782, 85.5681**, and if you desaturate by 10%, it is **76.4646, 65.3360, 94.9769**.

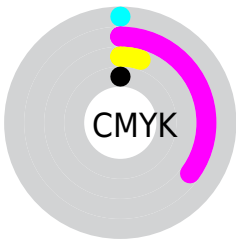
Distribution



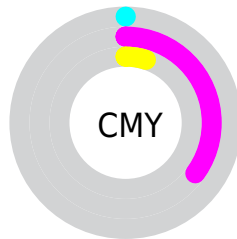
- Red (100%)
- Green (65%)
- Blue (95%)



- Red (100%)
- Yellow (65%)
- Blue (95%)



- Cyan (0%)
- Magenta (35%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7534, 54.8833, 90.0835 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 70.7534, 54.8833, 90.0835 by changing the saturation by 10% instead.

 70.7534, 54.8833,
90.0835


 70.7534, 54.8833,
90.0835


452.4162,
405.4694, 548.8795

 52.4228, 39.3083,
67.4758


 119.3030, 97.3700,
149.3909

 37.5678, 26.9996,
49.0074


 150.2526,
125.0504, 186.9277

 25.8231, 17.5730,
34.2597


186.1393,
157.5348, 230.2779

 16.8233, 10.6438,
22.8142

227.3284,
195.2075, 279.8601

 10.2031, 5.8279,
14.2524

274.1853,
238.4529, 336.0928

 5.5972, 2.7407,
8.1556

327.0754,

 2.6400, 0.9979,

287.6554, 399.3946

4.1055

386.3638,
343.1995, 470.1840

■ 0.9664, 0.0000,
1.6834

■ 0.0000, 0.0000,
0.3493

■ 70.7534, 54.8833,
90.0835

■ 70.7534, 54.8833,
90.0835

■ 65.9767, 46.2782,
85.5681

■ 76.4646, 65.3360,
94.9769

■ 62.0763, 39.4048,
81.4088

■ 83.1569, 77.7298,
100.2622

■ 58.9929, 34.1446,
77.5861

■ 90.8781, 92.1599,
105.9563

■ 56.6583, 30.3613,
74.0768

95.0500, 100.0000,
108.9000

■ 54.9932, 27.8963,
70.8541

■ 53.8997, 26.5543,
67.8850

■ 53.4913, 26.1605,
66.4445

Harmonies

Analogous

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



62.7093, 54.8833, 119.7212



70.7534, 54.8833, 90.0835



73.6678, 54.8833, 58.5646

Triad

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



70.7534, 54.8833, 90.0835



51.7463, 54.8833, 20.0759



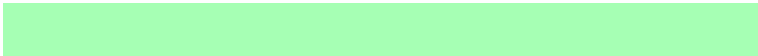
37.4914, 54.8833, 92.8485

Complementary

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



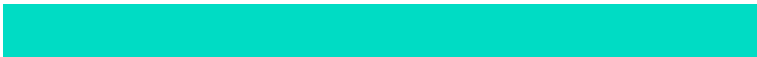
70.7534, 54.8833, 90.0835



59.7258, 82.9231, 56.0405

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.



35.3153, 54.8833, 60.9687



70.7534, 54.8833, 90.0835



42.8742, 54.8833, 24.1531

Square

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



70.7534, 54.8833, 90.0835



61.8910, 54.8833, 23.5019



37.1557, 54.8833, 37.1403



43.5152, 54.8833, 121.6416

Rectangle

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



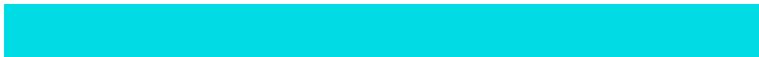
70.7534, 54.8833, 90.0835



72.0506, 54.8833, 42.0487



37.1557, 54.8833, 37.1403



36.3227, 54.8833, 81.8511

Sweetspot

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



70.7546, 54.8855, 90.0846



86.8087, 84.5401, 103.0001



50.3599, 44.1206, 100.4696



18.3510, 17.6661, 21.8760



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.



70.7546, 54.8855, 90.0846



67.2693, 48.5905, 86.8401



64.9730, 52.5728, 59.6389



18.6627, 18.2484, 22.1067



27.9964, 13.6879, 34.9614



2.7575, 1.3454, 3.5702

Inverse Universe

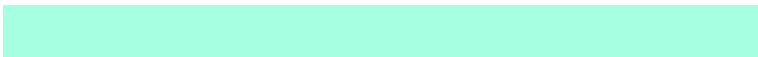
The Inverse Universe completely reimagines the original color for something new.



70.7546, 54.8855, 90.0846



67.2693, 48.5905, 86.8401



64.9216, 85.0014, 83.4010



18.6627, 18.2484, 22.1067



27.9964, 13.6879, 34.9614



2.7575, 1.3454, 3.5702

Previews

White Background



This preview shows how the XYZ color 70.7534, 54.8833, 90.0835 looks on a white background.

Color Contrast Check

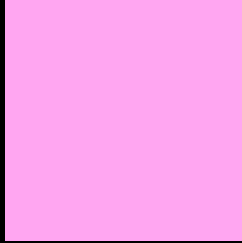
Large Text (above 18pt) WCAG AA × Fail

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 70.7534, 54.8833, 90.0835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

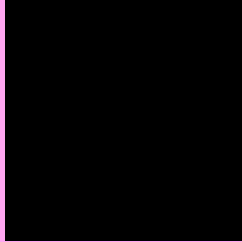
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7534, 54.8833, 90.0835

Background



This preview shows how black text looks on a background with the XYZ color 70.7534, 54.8833, 90.0835.



This preview shows how white text looks on a background with the XYZ color 70.7534, 54.8833,

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

70.7534, 54.8833, 90.0835

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.4956, 55.3575, 87.0643



Tritanopia

63.8865, 54.9081, 55.9463

Trichromacy



Original Color

70.7534, 54.8833, 90.0835



Protanomaly

60.1279, 54.4485, 97.7830



Deuteranomaly

60.9814, 54.7917, 88.2507



Tritanomaly

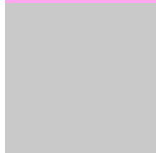
66.0448, 54.6177, 67.3829

Monochromacy



Original Color

70.7534, 54.8833, 90.0835



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

60.1967, 56.2965, 72.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7534, 54.8833, 90.0835 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, 166, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 241)  
}
```

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, 166, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 241) }
```

Border

The CSS property to change the border of an element to XYZ 70.7534, 54.8833, 90.0835 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, 166, 241) }
```


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

```
.border{ border-color:rgb(255, 166, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7534, 54.8833, 90.0835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 241) }
```

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

```
.background{ background-color: rgb(255,  
166, 241) }
```

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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