

Converting Colors

XYZ(70.2809, 53.8887, 90.0788)

Have a look what the booklet for
XYZ(70.2809, 53.8887, 90.0788)
contains.

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Color

**XYZ(70.2144, 53.8053,
89.9038)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3F1
RGB	255, 163, 241
RGB Percent	100%, 64%, 95%
CMY	0.0000, 0.3608, 0.0549
CMYK	0.00, 0.36, 0.05, 0.00
HSL	309°, 100%, 82%
HSV	309°, 36%, 100%
XYZ	70.2144, 53.8053, 89.9038
YIQ	199.4000, 29.7940, 43.7620

Conversions

Conversions Part 2

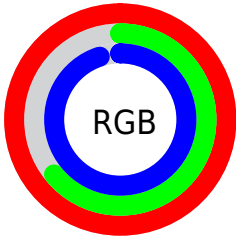
Format	Color
R _Y B	255, 163, 241
Decimal	16753649
CIE _{Lab}	78.35, 45.32, -24.96
CIE _{LCh}	78, 51.740, 331.156
Yxy	53.8053, 0.3282, 0.2515
Android (android.graphics.Color)	4294943729 (0xFFFFA3F1)
YUV	199.4000, 20.5088, 48.7612
Hunter-Lab	73.3521, 42.4983, -21.3222

Details

The XYZ color **70.2144, 53.8053, 89.9038** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.8018, 82.4817, 54.4190**, and the grayscale version is **54.3978, 57.2307, 62.3243**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **37.2516, 26.3104, 49.0140** is the 20% darker color. If you saturate the color by 10%, you get **65.5614, 45.4170, 85.5240**, and if you desaturate by 10%, it is **75.7948, 64.0284, 94.6551**.

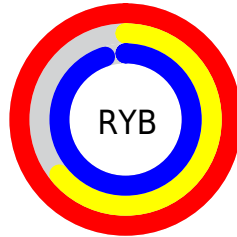
Distribution



Red (100%)

Green (64%)

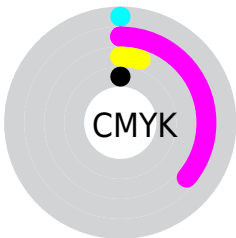
Blue (95%)



Red (100%)

Yellow (64%)

Blue (95%)

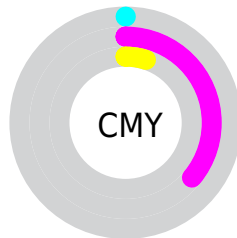


Cyan (0%)

Magenta (36%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2144, 53.8053, 89.9038 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 70.2144, 53.8053, 89.9038 by changing the saturation by 10% instead.


 70.2144, 53.8053,
89.9038


 70.2144, 53.8053,
89.9038


450.5571,
401.3671, 548.2799

 51.9816, 38.4460,
67.3276


 118.5391, 95.7883,
149.1391

 37.2146, 26.3290,
48.8876


 149.3616,
123.1808, 186.6353

 25.5481, 17.0700,
34.1654


185.1114,
155.3532, 229.9419

 16.6168, 10.2844,
22.7423

226.1539,
192.6899, 279.4774

 10.0553, 5.5879,
14.1998

272.8543,
235.5752, 335.6605

 5.4982, 2.5962,
8.1194

325.5781,

 2.5801, 0.9247,

284.3936, 398.9095

4.0826

384.6906,
339.5294, 469.6432

■ 0.9358, 0.0000,
1.6708

■ 0.0000, 0.0000,
0.3406

■ 70.2144, 53.8053,
89.9038

■ 70.2144, 53.8053,
89.9038

■ 65.5614, 45.4170,
85.5240

■ 75.7948, 64.0284,
94.6551

■ 61.7771, 38.7466,
81.4935

■ 82.3498, 76.1809,
99.7919

■ 58.8015, 33.6739,
77.7928

■ 89.9275, 90.3588,
105.3313

■ 56.5651, 30.0606,
74.3983

95.0500, 100.0000,
108.9000

■ 54.9871, 27.7445,
71.2826

■ 53.9666, 26.5244,
68.4119

■ 53.6600, 26.2280,
67.3327

Harmonies

Analogous

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



61.9184, 53.8053, 120.6272



70.2144, 53.8053, 89.9038



73.2436, 53.8053, 57.4644

Triad

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



70.2144, 53.8053, 89.9038



50.7476, 53.8053, 18.5834



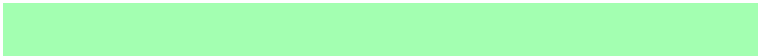
36.1889, 53.8053, 92.5274

Complementary

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



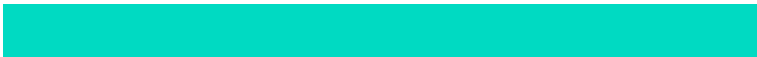
70.2144, 53.8053, 89.9038



58.8018, 82.4817, 54.4190

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.



34.0019, 53.8053, 59.7197



70.2144, 53.8053, 89.9038



41.6917, 53.8053, 22.5856

Square

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



70.2144, 53.8053, 89.9038



61.1469, 53.8053, 21.9936



35.8771, 53.8053, 35.5425



42.2897, 53.8053, 122.4614

Rectangle

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



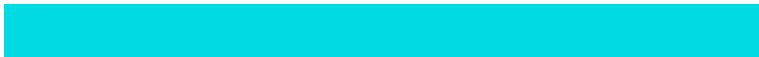
70.2144, 53.8053, 89.9038



71.5897, 53.8053, 40.6367



35.8771, 53.8053, 35.5425



35.0109, 53.8053, 81.1650

Sweetspot

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



70.2156, 53.8075, 89.9049



86.0657, 83.1189, 102.5525



49.2354, 42.7408, 100.2626



18.2036, 17.3831, 21.7904



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.



70.2156, 53.8075, 89.9049



66.8978, 47.8095, 86.8333



64.2117, 51.4059, 58.2887



18.6669, 18.2501, 22.1288



28.0834, 13.7227, 35.4194



2.7651, 1.3484, 3.6106

Inverse Universe

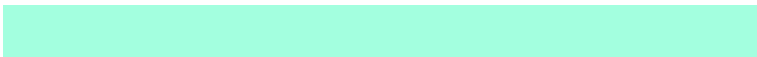
The Inverse Universe completely reimagines the original color for something new.



70.2156, 53.8075, 89.9049



66.8978, 47.8095, 86.8333



64.1581, 84.6242, 82.6249



18.6669, 18.2501, 22.1288



28.0834, 13.7227, 35.4194



2.7651, 1.3484, 3.6106

Previews

White Background



This preview shows how the XYZ color 70.2144, 53.8053, 89.9038 looks on a white background.

Color Contrast Check

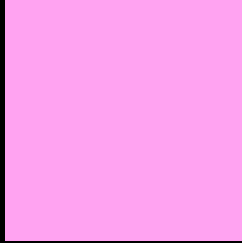
Large Text (above 18pt) WCAG AA × Fail

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 70.2144, 53.8053, 89.9038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

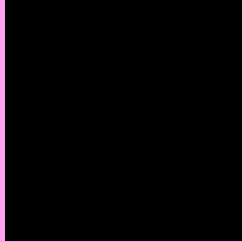
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2144, 53.8053, 89.9038

Background



This preview shows how black text looks on a background with the XYZ color 70.2144, 53.8053, 89.9038.



This preview shows how white text looks on a background with the XYZ color 70.2144, 53.8053,

89.9038.

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

70.2144, 53.8053, 89.9038

Protanopia

55.0311, 54.2664, 102.1818

Deuteranopia

55.2920, 54.0895, 86.8830



Tritanopia

62.8171, 53.8164, 54.0905

Trichromacy



Original Color

70.2144, 53.8053, 89.9038



Protanomaly

58.9560, 52.9290, 97.5515



Deuteranomaly

59.7782, 53.2626, 88.0190



Tritanomaly

65.4209, 53.7637, 65.9609

Monochromacy



Original Color

70.2144, 53.8053, 89.9038



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.9099, 55.0329, 71.1359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2144, 53.8053, 89.9038 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, 163, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 241) }
```

Border

The CSS property to change the border of an element to XYZ 70.2144, 53.8053, 89.9038 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, 163, 241) }
```


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

```
.border{ border-color:rgb(255, 163, 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, 163, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2144, 53.8053, 89.9038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 241) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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