

Converting Colors

XYZ(71.7187, 58.3926, 94.9797)

Have a look what the booklet for
XYZ(71.7187, 58.3926, 94.9797)
contains.

XYZ(71.7810, 58.4221, 94.6821)	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(71.7810, 58.4221,
94.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	FAB1F6
RGB	250, 177, 246
RGB Percent	98%, 69%, 96%
CMY	0.0196, 0.3059, 0.0353
CMYK	0.00, 0.29, 0.02, 0.02
HSL	303°, 88%, 84%
HSV	303°, 29%, 98%
XYZ	71.7810, 58.4221, 94.6821
YIQ	206.6930, 21.3590, 36.9350

Conversions

Conversions Part 2

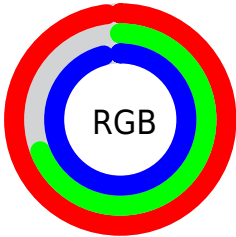
Format	Color
R _Y B	250, 177, 246
Decimal	16429558
CIE Lab	80.97, 37.34, -23.70
CIE LCh	81, 44.231, 327.597
Yxy	58.4221, 0.3192, 0.2598
Android (android.graphics.Color)	4294619638 (0xFFFFAB1F6)
YUV	206.6930, 19.3784, 37.9802
Hunter-Lab	76.4344, 33.8727, -19.9407

Details

The XYZ color **71.7810, 58.4221, 94.6821** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **60.6599, 81.0563, 56.1677**, and the grayscale version is **58.9820, 62.0537, 67.5765**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **38.3695, 29.2211, 52.3331** is the 20% darker color. If you saturate the color by 10%, you get **67.0791, 49.3526, 92.0817**, and if you desaturate by 10%, it is **77.3926, 69.3064, 97.5947**.

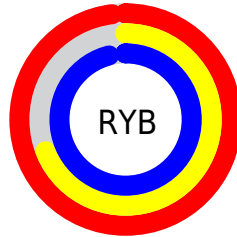
Distribution



Red (98%)

Green (69%)

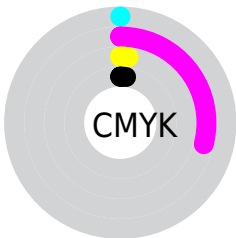
Blue (96%)



Red (98%)

Yellow (69%)

Blue (96%)

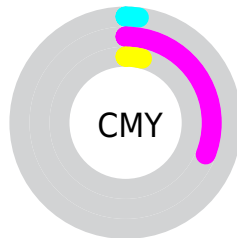


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (2%)



Cyan (2%)


Magenta (31%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7810, 58.4221, 94.6821 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 71.7810, 58.4221, 94.6821 by changing the saturation by 10% instead.


 71.7810, 58.4221,
94.6821

 71.7810, 58.4221,
94.6821


455.9485,
418.7569, 564.1051

 53.2646, 42.1481,
71.2750

 120.7576,
102.5373, 155.8171

 38.2424, 29.2173,
52.0834

151.9485,
131.1472, 194.3821

 26.3489, 19.2452,
36.6889

188.0950,
164.6380, 238.8369

 17.2189, 11.8476,
24.6728

229.5625,
203.3938, 289.5998

 10.4870, 6.6400,
15.6166

276.7162,
247.7993, 347.0896

 5.7877, 3.2380,
9.1019

329.9215,

 2.7559, 1.2572,

298.2387, 411.7247

4.7100

389.5438,
355.0964, 483.9237

■ 1.0260, 0.1077,
2.0224

■ 0.0000, 0.0000,
0.5690

■ 71.7810, 58.4221,
94.6821

■ 71.7810, 58.4221,
94.6821

■ 67.0791, 49.3526,
92.0817

■ 77.3926, 69.3064,
97.5947

■ 63.2320, 41.9912,
89.7732

■ 83.9541, 82.0891,
100.8310

■ 60.1874, 36.2323,
87.7397

■ 91.5100, 96.8580,
104.4064

■ 57.8848, 31.9550,
85.9613

■ 92.6734, 98.8397,
105.8587

■ 56.2553, 29.0216,
84.4148

■ 92.8908, 98.9266,
107.0033

■ 55.2173, 27.2685,
83.0731

■ 93.1097, 99.0142,
108.1563

■ 54.6467, 26.4478,
81.8947

■ 93.2348, 99.0643,
108.8151

■ 54.6089, 26.3979,
81.8032

Harmonies

Analogous

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



64.1013, 58.4221, 119.6628



71.7810, 58.4221, 94.6821



75.0686, 58.4221, 65.7524

Triad

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



71.7810, 58.4221, 94.6821



56.2710, 58.4221, 25.3286



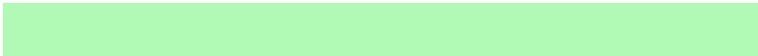
41.3253, 58.4221, 89.9819

Complementary

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



71.7810, 58.4221, 94.6821



60.6599, 81.0563, 56.1677

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.



39.7125, 58.4221, 61.5181



71.7810, 58.4221, 94.6821



47.7562, 58.4221, 28.5401

Square

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



71.7810, 58.4221, 94.6821



65.5207, 58.4221, 29.7989



41.9353, 58.4221, 40.2120



46.6076, 58.4221, 116.4655

Rectangle

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



71.7810, 58.4221, 94.6821



74.0835, 58.4221, 49.5375



41.9353, 58.4221, 40.2120



40.3632, 58.4221, 80.1273

Sweetspot

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



71.7828, 58.4247, 94.6833



87.9588, 86.1406, 105.5406



51.9542, 48.1309, 96.9956



18.5986, 17.9924, 22.4796



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.



71.7828, 58.4247, 94.6833



72.1032, 55.3506, 97.4155



66.7628, 56.4166, 68.2480



17.9495, 17.5072, 21.5900



28.9839, 14.0093, 43.4850



2.6966, 1.3024, 4.0917

Inverse Universe

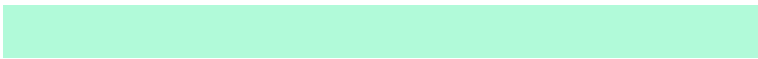
The Inverse Universe completely reimagines the original color for something new.



71.7828, 58.4247, 94.6833



72.1032, 55.3506, 97.4155



64.8632, 82.7376, 78.3016



17.9495, 17.5072, 21.5900



28.9839, 14.0093, 43.4850



2.6966, 1.3024, 4.0917

Previews

White Background



This preview shows how the XYZ color 71.7810, 58.4221, 94.6821 looks on a white background.

Color Contrast Check

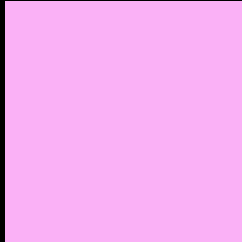
Large Text (above 18pt) WCAG AA × Fail

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 71.7810, 58.4221, 94.6821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

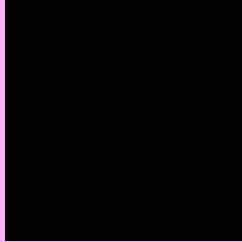
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7810, 58.4221, 94.6821

Background



This preview shows how black text looks on a background with the XYZ color 71.7810, 58.4221, 94.6821.

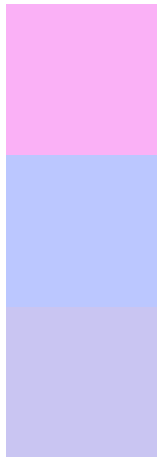


This preview shows how white text looks on a background with the XYZ color 71.7810, 58.4221,

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

71.7810, 58.4221, 94.6821

Protanopia

58.9669, 58.6316, 102.8169

Deuteranopia

60.0807, 58.7608, 92.1798



Tritanopia

65.2925, 58.5210, 62.4980

Trichromacy



Original Color

71.7810, 58.4221, 94.6821



Protanomaly

62.7798, 57.9915, 99.9801



Deuteranomaly

63.8045, 58.3580, 92.6954



Tritanomaly

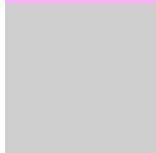
67.4639, 58.4696, 73.3757

Monochromacy



Original Color

71.7810, 58.4221, 94.6821



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

63.2225, 60.3883, 76.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7810, 58.4221, 94.6821 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(250, 177, 246)` looks like.

```
.text, #text, p{  
    color:rgb(250, 177, 246)  
}
```

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(250, 177, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 177, 246) }
```

Border

The CSS property to change the border of an element to XYZ 71.7810, 58.4221, 94.6821 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(250, 177, 246) }
```


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

```
.border{ border-color:rgb(250, 177, 246) }
```

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

Here you see how a box with a 4 pixel rgb(250, 177, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 177, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 177, 246);  
box-shadow:4px 4px 4px 4px rgb(250, 177,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7810, 58.4221, 94.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 177, 246) }
```

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

```
.background{ background-color: rgb(250,  
177, 246) }
```

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