

Converting Colors

XYZ(97.5846, 73.3501, 81.3367)

Have a look what the booklet for
XYZ(97.5846, 73.3501, 81.3367)
contains.

XYZ(71.6290, 59.8538, 80.4507)	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(71.6290, 59.8538,
80.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB5E3
RGB	255, 181, 227
RGB Percent	100%, 71%, 89%
CMY	0.0000, 0.2902, 0.1098
CMYK	0.00, 0.29, 0.11, 0.00
HSL	323°, 100%, 85%
HSV	323°, 29%, 100%
XYZ	71.6290, 59.8538, 80.4507
YIQ	208.3700, 29.3380, 29.9940

Conversions

Conversions Part 2

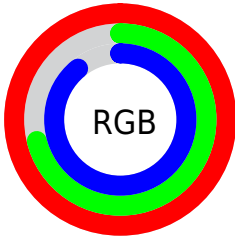
Format	Color
R_{YB}	255, 181, 227
Decimal	16758243
CIE _{Lab}	81.76, 33.64, -12.26
CIE _{LCh}	82, 35.800, 339.974
Yxy	59.8538, 0.3380, 0.2824
Android (android.graphics.Color)	4294948323 (0xFFFFB5E3)
YUV	208.3700, 9.1846, 40.8945
Hunter-Lab	77.3652, 29.8760, -7.4989

Details

The XYZ color **71.6290, 59.8538, 80.4507** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.3267, 85.9482, 73.4187**, and the grayscale version is **60.1245, 63.2556, 68.8854**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **38.0617, 30.0276, 42.8196** is the 20% darker color. If you saturate the color by 10%, you get **65.6160, 49.8996, 72.0592**, and if you desaturate by 10%, it is **78.6683, 71.7406, 89.5541**.

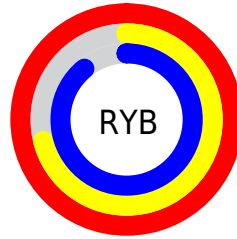
Distribution



Red (100%)

Green (71%)

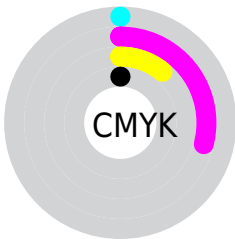
Blue (89%)



Red (100%)

Yellow (71%)

Blue (89%)

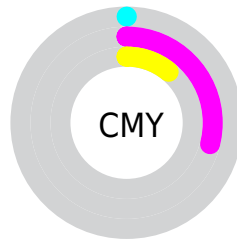


Cyan (0%)

Magenta (29%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.6290, 59.8538, 80.4507 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 71.6290, 59.8538, 80.4507 by changing the saturation by 10% instead.


 71.6290, 59.8538,
80.4507

 71.6290, 59.8538,
80.4507


455.4270,
424.0587, 516.1972

 53.1400, 43.3008,
59.5610


 120.5426,
104.6176, 135.8163

 38.1425, 30.1212,
42.6419

151.6979,
133.5971, 171.1293

 26.2710, 19.9306,
29.2749


187.8061,
167.4876, 212.0871

 17.1603, 12.3446,
19.0415


229.2324,
206.6735, 259.1082

 10.4448, 6.9788,
11.5232

276.3424,
251.5392, 312.6113

 5.7594, 3.4489,
6.3013

329.5012,

 2.7386, 1.3703,

302.4690, 373.0147

2.9574

389.0743,
359.8474, 440.7372

■ 1.0171, 0.1947,
1.0729

■ 0.0000, 0.0000,
0.0000

■ 71.6290, 59.8538,
80.4507

■ 71.6290, 59.8538,
80.4507

■ 65.6160, 49.8996,
72.0592

■ 78.6683, 71.7406,
89.5541

■ 60.5721, 41.7663,
64.3523

■ 86.7788, 85.6488,
99.3879

■ 56.4407, 35.3425,
57.3057

95.0500, 100.0000,
108.9000

■ 53.1572, 30.5012,
50.8917

■ 50.6483, 27.0974,
45.0793

■ 48.8269, 24.9594,
39.8329

■ 47.5650, 23.8335,
35.1029

■ 47.4555, 23.7462,
34.6604

Harmonies

Analogous

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



66.7224, 59.8538, 102.4552



71.6290, 59.8538, 80.4507



72.3984, 59.8538, 58.2393

Triad

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



71.6290, 59.8538, 80.4507



54.4145, 59.8538, 32.2304



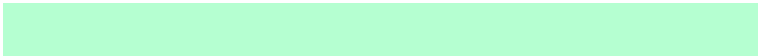
46.4851, 59.8538, 95.6554

Complementary

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



71.6290, 59.8538, 80.4507



66.3267, 85.9482, 73.4187

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.



43.7700, 59.8538, 72.6311



71.6290, 59.8538, 80.4507



48.0730, 59.8538, 38.2459

Square

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



71.6290, 59.8538, 80.4507



62.0006, 59.8538, 33.4225



44.3244, 59.8538, 51.9592



52.0669, 59.8538, 112.4909

Rectangle

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



71.6290, 59.8538, 80.4507



70.3970, 59.8538, 46.5471



44.3244, 59.8538, 51.9592



45.2303, 59.8538, 88.1975

Sweetspot

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



71.6304, 59.8563, 80.4519



86.7938, 85.6746, 99.4055



60.6261, 53.7000, 101.7775



18.3101, 17.8770, 20.9607



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.



71.6304, 59.8563, 80.4519



67.9124, 53.6743, 75.3470



67.1550, 58.0661, 56.8848



18.4842, 18.1770, 21.1668



24.8715, 12.4379, 18.5055



2.4748, 1.2323, 2.0818

Inverse Universe

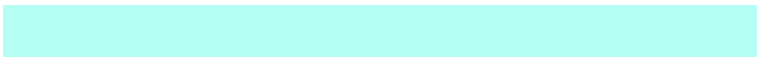
The Inverse Universe completely reimagines the original color for something new.



71.6304, 59.8563, 80.4519



67.9124, 53.6743, 75.3470



71.3194, 87.9453, 99.7098



18.4842, 18.1770, 21.1668



24.8715, 12.4379, 18.5055



2.4748, 1.2323, 2.0818

Previews

White Background



This preview shows how the XYZ color 71.6290, 59.8538, 80.4507 looks on a white background.

Color Contrast Check

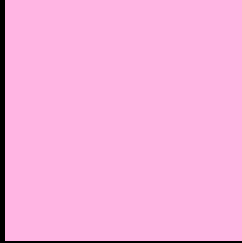
Large Text (above 18pt) WCAG AA × Fail

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 71.6290, 59.8538, 80.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

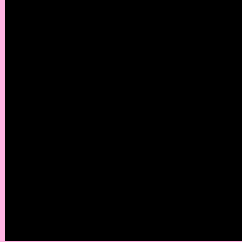
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.6290, 59.8538, 80.4507

Background



This preview shows how black text looks on a background with the XYZ color 71.6290, 59.8538, 80.4507.



This preview shows how white text looks on a background with the XYZ color 71.6290, 59.8538,

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

71.6290, 59.8538, 80.4507

Protanopia

59.7627, 60.3277, 91.7137

Deuteranopia

61.3802, 60.0661, 78.8798



Tritanopia

68.1291, 59.9834, 62.6307

Trichromacy



Original Color

71.6290, 59.8538, 80.4507



Protanomaly

63.0474, 59.3914, 87.4976



Deuteranomaly

64.7533, 59.7935, 79.3626



Tritanomaly

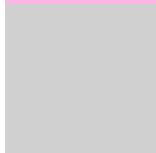
69.2814, 59.8168, 68.8670

Monochromacy



Original Color

71.6290, 59.8538, 80.4507



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.5112, 61.3020, 72.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6290, 59.8538, 80.4507 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, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 227)  
}
```

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, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 71.6290, 59.8538, 80.4507 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, 181, 227) }
```


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

```
.border{ border-color:rgb(255, 181, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6290, 59.8538, 80.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 227) }
```

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

```
.background{ background-color: rgb(255,  
181, 227) }
```

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