

Converting Colors

XYZ(81.6351, 63.5725, 83.3515)

Have a look what the booklet for
XYZ(81.6351, 63.5725, 83.3515)
contains.

XYZ(71.1891, 58.0802, 83.0598)	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(71.1891, 58.0802,
83.0598)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0E7
RGB	255, 176, 231
RGB Percent	100%, 69%, 91%
CMY	0.0000, 0.3098, 0.0941
CMYK	0.00, 0.31, 0.09, 0.00
HSL	318°, 100%, 85%
HSV	318°, 31%, 100%
XYZ	71.1891, 58.0802, 83.0598
YIQ	205.8910, 29.4290, 33.8530

Conversions

Conversions Part 2

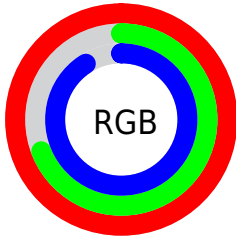
Format	Color
R _Y B	255, 176, 231
Decimal	16756967
CIE _{Lab}	80.78, 36.91, -15.87
CIE _{LCh}	81, 40.176, 336.725
Y _{xy}	58.0802, 0.3353, 0.2735
Android (android.graphics.Color)	4294947047 (0xFFFFB0E7)
YUV	205.8910, 12.3787, 43.0686
Hunter-Lab	76.2104, 33.3710, -11.2715

Details

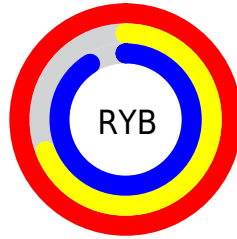
The XYZ color **71.1891, 58.0802, 83.0598** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.0918, 84.9212, 67.6601**, and the grayscale version is **58.5080, 61.5550, 67.0334**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **37.7234, 28.8845, 44.1445** is the 20% darker color. If you saturate the color by 10%, you get **65.5808, 48.5760, 75.9113**, and if you desaturate by 10%, it is **77.7876, 69.4868, 90.7788**.

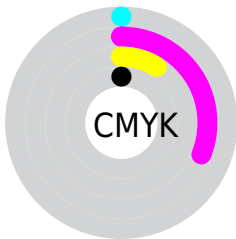
Distribution



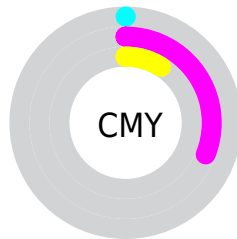
- Red (100%)
- Green (69%)
- Blue (91%)



- Red (100%)
- Yellow (69%)
- Blue (91%)



- Cyan (0%)
- Magenta (31%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.1891, 58.0802, 83.0598 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 71.1891, 58.0802, 83.0598 by changing the saturation by 10% instead.


 71.1891, 58.0802,
83.0598

 71.1891, 58.0802,
83.0598


453.9158,
417.4847, 525.1620

 52.7796, 41.8731,
61.6986


 119.9200,
102.0396, 139.5092

 37.8536, 29.0020,
44.3550


150.9721,
130.5608, 175.4345

 26.0458, 19.0823,
30.6104

186.9692,
163.9554, 217.0515

 16.9908, 11.7298,
20.0464

228.2765,
202.6080, 264.7788

 10.3232, 6.5599,
12.2444

275.2595,
246.9027, 319.0350

 5.6777, 3.1885,
6.7858


328.2834,


 2.6889, 1.2309,


297.2242, 380.2386


3.2521


387.7138,
353.9567, 448.8081


 0.9915, 0.0867,
1.2247


 0.0000, 0.0000,
0.0000


 71.1891, 58.0802,
83.0598


 71.1891, 58.0802,
83.0598


 65.5808, 48.5760,
75.9113


 77.7876, 69.4868,
90.7788

 60.9054, 40.8612,
69.3089

 85.4214, 82.8858,
99.0842

 57.1056, 34.8221,
63.2312

 94.1378, 98.3704,
107.9953

 54.1160, 30.3291,
57.6532

95.0500, 100.0000,
108.9000

■ 51.8617, 27.2331,
52.5467

■ 50.2527, 25.3555,
47.8783

■ 49.2287, 24.4555,
43.9977

Harmonies

Analogous

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



65.3005, 58.0802, 107.3696



71.1891, 58.0802, 83.0598



72.6061, 58.0802, 58.0396

Triad

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



71.1891, 58.0802, 83.0598



53.3567, 58.0802, 27.8587



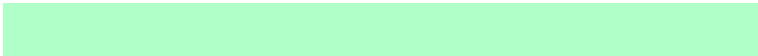
43.3814, 58.0802, 94.6747

Complementary

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



71.1891, 58.0802, 83.0598



64.0918, 84.9212, 67.6601

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.



40.8307, 58.0802, 68.7410



71.1891, 58.0802, 83.0598



46.2049, 58.0802, 33.2392

Square

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



71.1891, 58.0802, 83.0598



61.7485, 58.0802, 29.8756



41.8102, 58.0802, 46.8533



49.1381, 58.0802, 115.1639

Rectangle

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



71.1891, 58.0802, 83.0598



70.7093, 58.0802, 44.8417



41.8102, 58.0802, 46.8533



42.1484, 58.0802, 86.0856

Sweetspot

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



71.1905, 58.0826, 83.0610



87.0583, 85.7804, 100.7982



57.3170, 50.5117, 101.3365



18.3755, 17.9031, 21.3046



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.



71.1905, 58.0826, 83.0610



67.6974, 52.1370, 78.6887



66.2593, 56.1102, 57.0940



18.5438, 18.2008, 21.4809



25.7926, 12.8063, 23.3559



2.5600, 1.2664, 2.5302

Inverse Universe

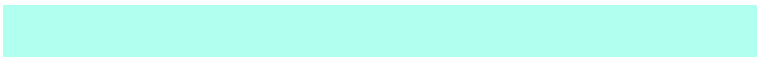
The Inverse Universe completely reimagines the original color for something new.



71.1905, 58.0826, 83.0610



67.6974, 52.1370, 78.6887



69.2756, 86.9947, 94.9577



18.5438, 18.2008, 21.4809



25.7926, 12.8063, 23.3559



2.5600, 1.2664, 2.5302

Previews

White Background



This preview shows how the XYZ color 71.1891, 58.0802, 83.0598 looks on a white background.

Color Contrast Check

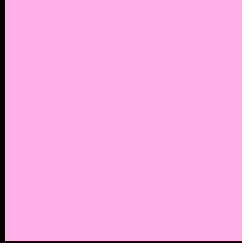
Large Text (above 18pt) WCAG AA × Fail

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 71.1891, 58.0802, 83.0598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

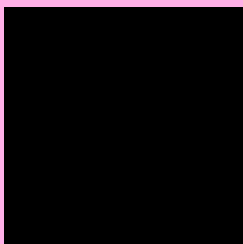
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.1891, 58.0802, 83.0598

Background



This preview shows how black text looks on a background with the XYZ color 71.1891, 58.0802, 83.0598.



This preview shows how white text looks on a background with the XYZ color 71.1891, 58.0802,

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

71.1891, 58.0802, 83.0598

Protanopia

58.2932, 58.4478, 95.3980

Deuteranopia

59.6175, 58.4358, 80.8101



Tritanopia

66.4754, 57.9506, 59.9065

Trichromacy



Original Color

71.1891, 58.0802, 83.0598



Protanomaly

62.2395, 57.9086, 91.1162



Deuteranomaly

63.2525, 58.0042, 81.2609



Tritanomaly

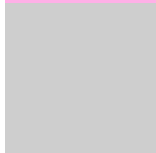
67.9748, 57.9414, 67.9228

Monochromacy



Original Color

71.1891, 58.0802, 83.0598



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.5213, 59.7838, 72.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1891, 58.0802, 83.0598 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, 176, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 231)  
}
```

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, 176, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 231) }
```

Border

The CSS property to change the border of an element to XYZ 71.1891, 58.0802, 83.0598 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, 176, 231) }
```


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

```
.border{ border-color:rgb(255, 176, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1891, 58.0802, 83.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 231) }
```

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

```
.background{ background-color: rgb(255,  
176, 231) }
```

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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