

Converting Colors

XYZ(81.5978, 64.0850, 81.6070)

Have a look what the booklet for
XYZ(81.5978, 64.0850, 81.6070)
contains.

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Color

**XYZ(71.1640, 58.7022,
80.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E4
RGB	255, 178, 228
RGB Percent	100%, 70%, 89%
CMY	0.0000, 0.3019, 0.1059
CMYK	0.00, 0.30, 0.11, 0.00
HSL	321°, 100%, 85%
HSV	321°, 30%, 100%
XYZ	71.1640, 58.7022, 80.9787
YIQ	206.7230, 29.8420, 31.8740

Conversions

Conversions Part 2

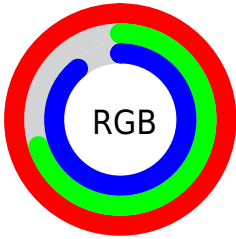
Format	Color
R_{YB}	255, 178, 228
Decimal	16757476
CIE _{Lab}	81.13, 35.37, -13.74
CIE _{LCh}	81, 37.945, 338.767
Yxy	58.7022, 0.3375, 0.2784
Android (android.graphics.Color)	4294947556 (0xFFFFB2E4)
YUV	206.7230, 10.4896, 42.3389
Hunter-Lab	76.6174, 31.7146, -9.0328

Details

The XYZ color **71.1640, 58.7022, 80.9787** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.1415, 85.3937, 70.8100**, and the grayscale version is **59.0525, 62.1278, 67.6572**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **37.7764, 29.3028, 43.2001** is the 20% darker color. If you saturate the color by 10%, you get **65.3445, 48.9986, 73.0724**, and if you desaturate by 10%, it is **77.9933, 70.3223, 89.5400**.

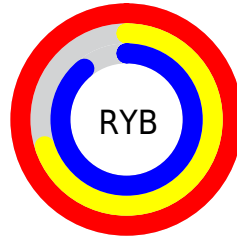
Distribution



Red (100%)

Green (70%)

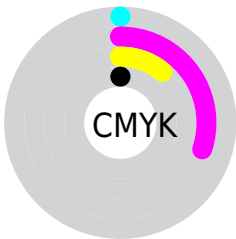
Blue (89%)



Red (100%)

Yellow (70%)

Blue (89%)

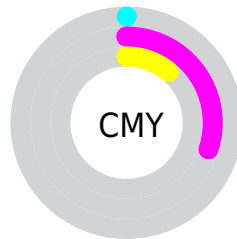


Cyan (0%)

Magenta (30%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1640, 58.7022, 80.9787 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 71.1640, 58.7022, 80.9787 by changing the saturation by 10% instead.

71.1640, 58.7022,
80.9787

71.1640, 58.7022,
80.9787

453.8295,
419.7974, 518.0185

52.7591, 42.3734,
59.9932

119.8845,
102.9447, 136.5647

37.8372, 29.3938,
42.9879

150.9307,
131.6273, 172.0022

26.0330, 19.3789,
29.5443

186.9214,
165.1965, 213.0941

16.9811, 11.9444,
19.2438

228.2219,
204.0369, 260.2589

10.3163, 6.7058,
11.6680

275.1976,
248.5328, 313.9152

5.6730, 3.2788,
6.3982

328.2139,

2.6860, 1.2790,

299.0686, 374.4816

3.0160

387.6360,
356.0287, 442.3765

■ 0.9900, 0.1248,
1.1028

■ 0.0000, 0.0000,
0.0000

■ 71.1640, 58.7022,
80.9787

■ 71.1640, 58.7022,
80.9787

■ 65.3445, 48.9986,
73.0724

■ 77.9933, 70.3223,
89.5400

■ 60.4776, 41.0993,
65.7949

■ 85.8778, 83.9486,
98.7736

■ 56.5062, 34.8912,
59.1231

94.8647, 99.6740,
108.7007

■ 53.3652, 30.2458,
53.0304

95.0500, 100.0000,
108.9000

■ 50.9800, 27.0158,
47.4867

■ 49.2619, 25.0252,
42.4574

■ 48.0846, 23.9978,
37.9730

Harmonies

Analogous

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



65.8433, 58.7022, 104.1308



71.1640, 58.7022, 80.9787



72.1715, 58.7022, 57.5206

Triad

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



71.1640, 58.7022, 80.9787



53.5142, 58.7022, 29.8744



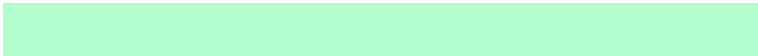
44.7822, 58.7022, 95.1644

Complementary

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



71.1640, 58.7022, 80.9787



65.1415, 85.3937, 70.8100

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.



42.1040, 58.7022, 70.7702



71.1640, 58.7022, 80.9787



46.8243, 58.7022, 35.6726

Square

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



71.1640, 58.7022, 80.9787



61.4713, 58.7022, 31.3693



42.8147, 58.7022, 49.4373



50.4787, 58.7022, 113.5713

Rectangle

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



71.1640, 58.7022, 80.9787



70.1778, 58.7022, 45.2045



42.8147, 58.7022, 49.4373



43.5247, 58.7022, 87.1890

Sweetspot

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



71.1653, 58.7046, 80.9799



86.8918, 85.7138, 99.9218



59.1357, 52.0357, 101.5349



18.3343, 17.8867, 21.0881



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.



71.1653, 58.7046, 80.9799



67.6663, 52.8429, 76.3106



66.4073, 56.8014, 55.9243



18.5063, 18.1858, 21.2833



25.1987, 12.5688, 20.2284



2.5053, 1.2445, 2.2423

Inverse Universe

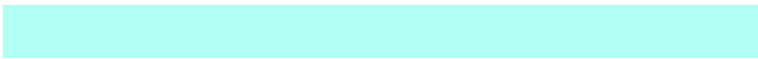
The Inverse Universe completely reimagines the original color for something new.



71.1653, 58.7046, 80.9799



67.6663, 52.8429, 76.3106



70.3673, 87.4840, 98.3288



18.5063, 18.1858, 21.2833



25.1987, 12.5688, 20.2284



2.5053, 1.2445, 2.2423

Previews

White Background



This preview shows how the XYZ color 71.1640, 58.7022, 80.9787 looks on a white background.

Color Contrast Check

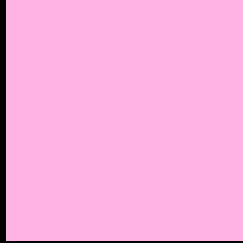
Large Text (above 18pt) WCAG AA × Fail

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 71.1640, 58.7022, 80.9787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

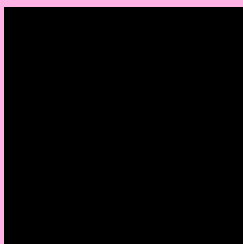
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.1640, 58.7022, 80.9787

Background



This preview shows how black text looks on a background with the XYZ color 71.1640, 58.7022, 80.9787.



This preview shows how white text looks on a background with the XYZ color 71.1640, 58.7022,

80.9787.

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

71.1640, 58.7022, 80.9787

Protanopia

58.8243, 59.1171, 93.1044

Deuteranopia

60.1945, 58.7650, 79.4043



Tritanopia

67.1172, 58.8674, 61.2512

Trichromacy



Original Color

71.1640, 58.7022, 80.9787



Protanomaly

62.6012, 58.4713, 88.8756



Deuteranomaly

63.6036, 58.2171, 79.8363



Tritanomaly

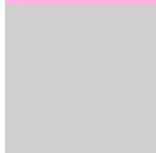
68.3815, 58.7548, 68.0583

Monochromacy



Original Color

71.1640, 58.7022, 80.9787



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

62.7461, 60.2334, 72.6091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1640, 58.7022, 80.9787 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, 178, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 228)  
}
```

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, 178, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 228) }
```

Border

The CSS property to change the border of an element to XYZ 71.1640, 58.7022, 80.9787 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, 178, 228) }
```


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

```
.border{ border-color:rgb(255, 178, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1640, 58.7022, 80.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 228) }
```

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

```
.background{ background-color: rgb(255,  
178, 228) }
```

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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