

Converting Colors

XYZ(58.8281, 76.2365, 47.6941)

Have a look what the booklet for
XYZ(58.8281, 76.2365, 47.6941)
contains.

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Color

**XYZ(58.8317, 76.2286,
47.6892)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF1A6
RGB	187, 241, 166
RGB Percent	73%, 95%, 65%
CMY	0.2667, 0.0549, 0.3490
CMYK	0.22, 0.00, 0.31, 0.05
HSL	103°, 73%, 80%
HSV	103°, 31%, 95%
XYZ	58.8317, 76.2286, 47.6892
YIQ	216.3040, -8.1090, -34.7730

Conversions

Conversions Part 2

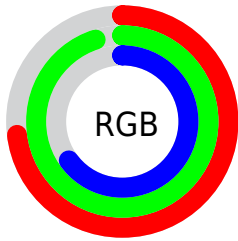
Format	Color
RYB	166, 241, 220
Decimal	12317094
CIELab	89.97, -30.63, 30.81
CIELCh	90, 43.448, 134.830
Yxy	76.2286, 0.3219, 0.4171
Android (android.graphics.Color)	4290507174 (0xFFBBF1A6)
YUV	216.3040, -24.7999, -25.6996
Hunter-Lab	87.3090, -32.5115, 28.7314

Details

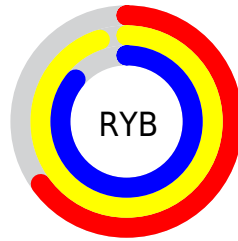
The XYZ color **58.8317, 76.2286, 47.6892** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.0320, 48.8412, 89.5393**, and the grayscale version is **65.6470, 69.0658, 75.2127**.

A 20% lighter version of the original color is **86.2530, 96.0270, 83.0963**, and **29.8453, 40.7957, 21.9241** is the 20% darker color. If you saturate the color by 10%, you get **52.8334, 73.3706, 36.9299**, and if you desaturate by 10%, it is **65.7613, 79.5234, 60.6577**.

Distribution



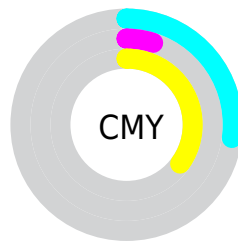
- Red (73%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (27%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8317, 76.2286, 47.6892 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 58.8317, 76.2286, 47.6892 by changing the saturation by 10% instead.


 58.8317, 76.2286,
47.6892


 58.8317, 76.2286,
47.6892


410.1820,
482.1299, 394.0320

 42.7235, 56.6200,
33.2226


 102.2490,
128.0500, 88.1022

 29.8618, 40.7002,
22.0245


 130.2889,
161.0316, 114.8857

 19.8813, 28.0849,
13.6764


163.0367,
199.2396, 146.6118

 12.4165, 18.3897,
7.7598

200.8578,
243.0584, 183.6992

 7.1022, 11.2301,
3.8561

244.1175,
292.8724, 226.5664

 3.5730, 6.2218,
1.5467


293.1812,


 1.4635, 2.9804,


349.0661, 275.6319


0.2524


348.4142,
412.0238, 331.3142


 0.3008, 1.1215,
0.0000


 0.0000, 0.0000,
0.0000


 58.8317, 76.2286,
47.6892


 58.8317, 76.2286,
47.6892

 52.8334, 73.3706,
36.9299


 65.7613, 79.5234,
60.6577

 47.7191, 70.9209,
28.2517

 73.6550, 83.2626,
75.9438

 43.4460, 68.8625,
21.5214

 82.5511, 87.4659,
93.6549

 39.9651, 67.1737,
16.5878

 90.7469, 91.3938,
107.4656

■ 37.2217, 65.8298,
13.2780

■ 35.1528, 64.8030,
11.3845

■ 33.8042, 64.1238,
10.5955

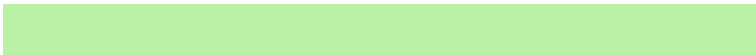
Harmonies

Analogous

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



67.2885, 76.2286, 37.9083



58.8317, 76.2286, 47.6892



54.2732, 76.2286, 68.4490

Triad

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



58.8317, 76.2286, 47.6892



67.1761, 76.2286, 154.2737



94.3349, 76.2286, 68.7471

Complementary

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



58.8317, 76.2286, 47.6892



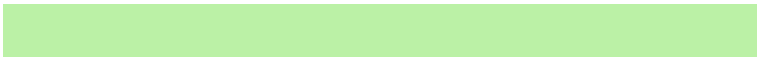
59.0320, 48.8412, 89.5393

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.



94.2971, 76.2286, 99.4795



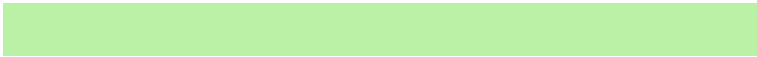
58.8317, 76.2286, 47.6892



77.8752, 76.2286, 154.4109

Square

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



58.8317, 76.2286, 47.6892



58.7564, 76.2286, 132.1382



88.0295, 76.2286, 132.4763



88.1281, 76.2286, 47.8607

Rectangle

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



58.8317, 76.2286, 47.6892



53.7413, 76.2286, 88.0869



88.0295, 76.2286, 132.4763



95.0705, 76.2286, 78.1128

Sweetspot

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



58.8337, 76.2319, 47.6909



85.7522, 95.6085, 90.3158



68.6894, 72.5126, 46.4535



18.0518, 20.3210, 18.7343



0.0000, 0.0000, 0.0000



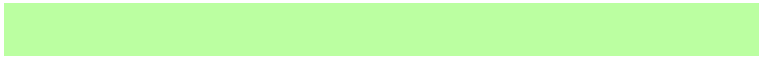
20.3446, 21.4041, 23.3091

Same Dimension

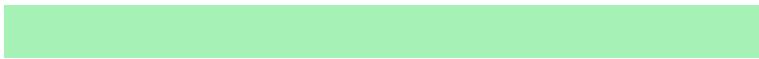
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8337, 76.2319, 47.6909



62.6715, 84.6538, 46.5933



55.6529, 74.4089, 55.8223



15.9813, 17.8705, 16.7568



18.4431, 34.8293, 5.7507



1.6277, 2.9456, 0.4828

Inverse Universe

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



59.0320, 48.8412, 89.5393



62.9147, 49.1775, 100.7840



63.4713, 51.3979, 77.6343



15.9978, 15.7961, 19.9274



18.1567, 8.3655, 45.7856



1.6067, 0.7456, 3.8134

Previews

White Background



This preview shows how the XYZ color 58.8317, 76.2286, 47.6892 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 58.8317, 76.2286, 47.6892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

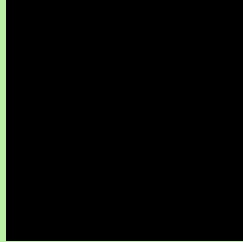
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8317, 76.2286, 47.6892

Background



This preview shows how black text looks on a background with the XYZ color 58.8317, 76.2286, 47.6892.



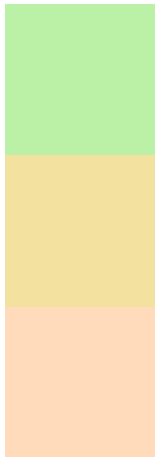
This preview shows how white text looks on a background with the XYZ color 58.8317, 76.2286,

47.6892.

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

58.8317, 76.2286, 47.6892

Protanopia

70.1454, 75.4083, 43.6591

Deuteranopia

75.6486, 75.5539, 58.1732



Tritanopia

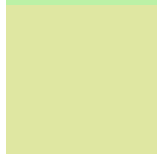
69.4942, 76.2707, 100.6815

Trichromacy



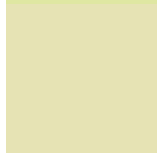
Original Color

58.8317, 76.2286, 47.6892



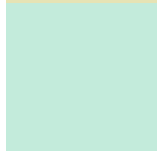
Protanomaly

65.5289, 75.4484, 45.2917



Deuteranomaly

68.3404, 75.0565, 54.0654



Tritanomaly

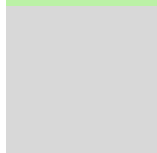
65.0002, 76.1332, 78.2871

Monochromacy



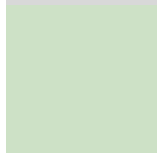
Original Color

58.8317, 76.2286, 47.6892



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

62.2951, 70.9068, 63.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8317, 76.2286, 47.6892 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(187, 241, 166)` looks like.

```
.text, #text, p{  
    color:rgb(187, 241, 166)  
}
```

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(187, 241, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 166) }
```

Border

The CSS property to change the border of an element to XYZ 58.8317, 76.2286, 47.6892 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(187, 241, 166) }
```


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

```
.border{ border-color:rgb(187, 241, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 241, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 241, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 241, 166); box-shadow:4px 4px 4px 4px rgb(187, 241, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8317, 76.2286, 47.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 166) }
```

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

```
.background{ background-color: rgb(187,  
241, 166) }
```

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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