

Converting Colors

XYZ(64.2810, 80.6864, 59.4782)

Have a look what the booklet for
XYZ(64.2810, 80.6864, 59.4782)
contains.

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Color

**XYZ(64.1277, 80.4948,
59.1709)**

Conversions

Conversions Part 1

Format	Color
Hex	C3F5BB
RGB	195, 245, 187
RGB Percent	76%, 96%, 73%
CMY	0.2353, 0.0392, 0.2667
CMYK	0.20, 0.00, 0.24, 0.04
HSL	112°, 74%, 85%
HSV	112°, 24%, 96%
XYZ	64.1277, 80.4948, 59.1709
YIQ	223.4380, -11.1820, -28.6380

Conversions

Conversions Part 2

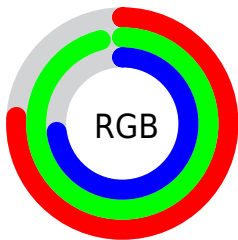
Format	Color
RYB	187, 245, 237
Decimal	12842427
CIELab	91.91, -26.58, 22.84
CIElCh	92, 35.040, 139.330
Yxy	80.4948, 0.3147, 0.3950
Android (android.graphics.Color)	4291032507 (0xFFC3F5BB)
YUV	223.4380, -17.9639, -24.9401
Hunter-Lab	89.7189, -29.4230, 23.7006

Details

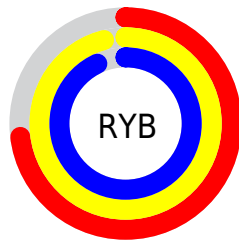
The XYZ color **64.1277, 80.4948, 59.1709** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1803, 60.1402, 94.3525**, and the grayscale version is **70.5821, 74.2579, 80.8669**.

A 20% lighter version of the original color is **92.0825, 98.6865, 98.9892**, and **33.3159, 43.6919, 29.2317** is the 20% darker color. If you saturate the color by 10%, you get **56.6489, 76.9194, 46.2779**, and if you desaturate by 10%, it is **72.8302, 84.6541, 74.4603**.

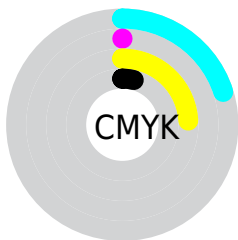
Distribution



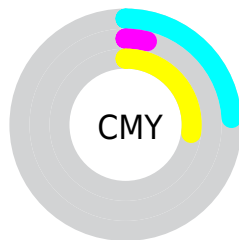
- Red (76%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)



- Cyan (24%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1277, 80.4948, 59.1709 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 64.1277, 80.4948, 59.1709 by changing the saturation by 10% instead.


 64.1277, 80.4948,
59.1709

 64.1277, 80.4948,
59.1709

429.2456,
496.5988, 439.2545

 47.0162, 60.1256,
42.3298


 109.8675,
134.0612, 105.1576

 33.2564, 43.5199,
29.0321


139.2266,
168.0271, 135.1402

 22.4831, 30.2932,
18.8593


173.3988,
207.2942, 170.3405

 14.3309, 20.0613,
11.3929

212.7496,
252.2466, 211.1768

 8.4344, 12.4396,
6.2143

257.6443,
303.2689, 258.0679

 4.4283, 7.0438,
2.9049

308.4483,

 1.9472, 3.4895,

360.7454, 311.4321

1.0463

365.5269,
425.0606, 371.6881

■ 0.6040, 1.3923,
0.0000

■ 0.0000, 0.2111,
0.0000

■ 64.1277, 80.4948,
59.1709

■ 64.1277, 80.4948,
59.1709

■ 56.6489, 76.9194,
46.2779

■ 72.8302, 84.6541,
74.4603

■ 50.3326, 73.8918,
35.6549

■ 82.8016, 89.4111,
92.2533

■ 45.1217, 71.3878,
27.1720

■ 91.9440, 93.7881,
107.8647

■ 40.9517, 69.3774,
20.6840

■ 37.7512, 67.8272,
16.0276

■ 35.4398, 66.6999,
13.0139

■ 33.9230, 65.9518,
11.4128

■ 33.3067, 65.6445,
10.9152

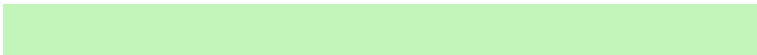
Harmonies

Analogous

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



70.9257, 80.4948, 48.7279



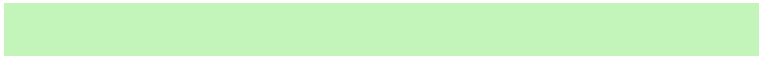
64.1277, 80.4948, 59.1709



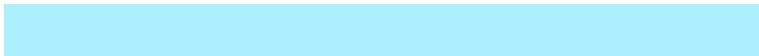
60.7422, 80.4948, 78.7922

Triad

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



64.1277, 80.4948, 59.1709



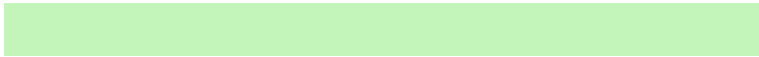
73.3508, 80.4948, 145.8742



94.0123, 80.4948, 72.2535

Complementary

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



64.1277, 80.4948, 59.1709



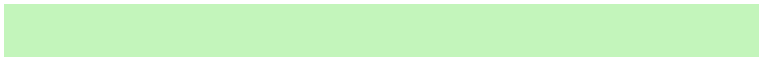
69.1803, 60.1402, 94.3525

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.



94.7897, 80.4948, 97.1376



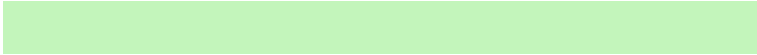
64.1277, 80.4948, 59.1709



82.3755, 80.4948, 143.1727

Square

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



64.1277, 80.4948, 59.1709



65.7831, 80.4948, 130.8278



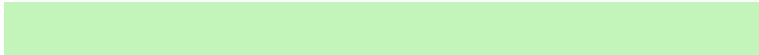
90.3869, 80.4948, 124.0421



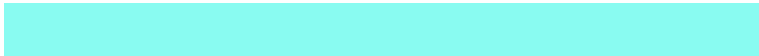
88.3392, 80.4948, 55.1941

Rectangle

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



64.1277, 80.4948, 59.1709



60.6820, 80.4948, 95.9215



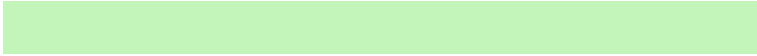
90.3869, 80.4948, 124.0421



94.8707, 80.4948, 79.8591

Sweetspot

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



64.1298, 80.4982, 59.1727



86.8714, 96.1005, 94.2064



76.7113, 83.1680, 59.0249



18.4502, 20.5009, 19.9069



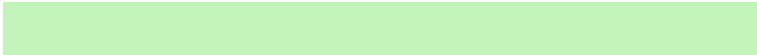
0.0000, 0.0000, 0.0000



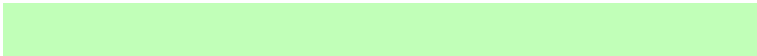
20.3446, 21.4041, 23.3091

Same Dimension

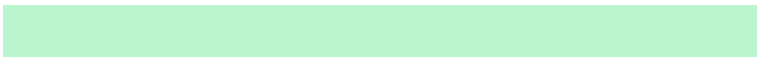
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1298, 80.4982, 59.1727



66.4761, 86.3601, 58.2934



64.4477, 80.3930, 71.3467



16.4947, 18.5816, 17.5148



18.0082, 35.3963, 5.8831



1.6473, 3.1443, 0.5201

Inverse Universe

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



69.1803, 60.1402, 94.3525



72.8174, 60.7752, 102.5006



68.9791, 60.3751, 79.0408



16.9758, 16.6457, 20.8608



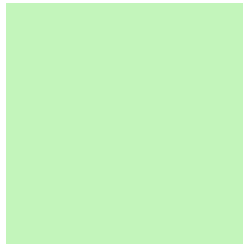
23.4722, 11.0747, 47.4385



2.1236, 1.0046, 4.1722

Previews

White Background



This preview shows how the XYZ color 64.1277, 80.4948, 59.1709 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 64.1277, 80.4948, 59.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

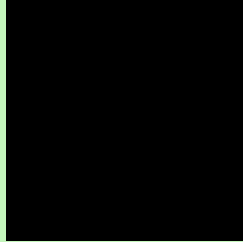
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

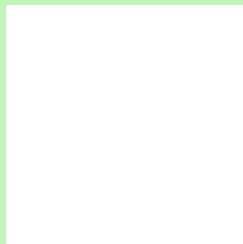
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1277, 80.4948, 59.1709

Background



This preview shows how black text looks on a background with the XYZ color 64.1277, 80.4948, 59.1709.



This preview shows how white text looks on a background with the XYZ color 64.1277, 80.4948,

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

64.1277, 80.4948, 59.1709

Protanopia

74.8202, 80.0399, 54.6858

Deuteranopia

79.4277, 79.6154, 70.2125



Tritanopia

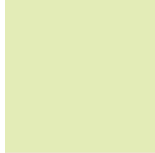
73.4991, 80.3327, 106.2397

Trichromacy



Original Color

64.1277, 80.4948, 59.1709



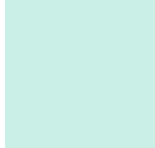
Protanomaly

70.2212, 79.7407, 56.4902



Deuteranomaly

72.8862, 79.2070, 66.0905



Tritanomaly

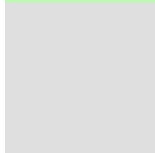
69.5066, 80.0027, 86.6416

Monochromacy



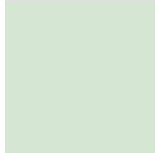
Original Color

64.1277, 80.4948, 59.1709



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.6493, 75.9511, 72.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1277, 80.4948, 59.1709 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(195, 245, 187)` looks like.

```
.text, #text, p{  
    color:rgb(195, 245, 187)  
}
```

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(195, 245, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 245, 187) }
```

Border

The CSS property to change the border of an element to XYZ 64.1277, 80.4948, 59.1709 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(195, 245, 187) }
```


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

```
.border{ border-color:rgb(195, 245, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 245, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 245, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 245, 187); box-shadow:4px 4px 4px 4px rgb(195, 245, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1277, 80.4948, 59.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 245, 187) }
```

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

```
.background{ background-color: rgb(195,  
245, 187) }
```

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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