

Converting Colors

XYZ(47.7512, 59.1631, 27.4009)

Have a look what the booklet for
XYZ(47.7512, 59.1631, 27.4009)
contains.

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Color

**XYZ(47.7954, 59.1835,
27.3168)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BCD47A |
| RGB | 188, 212, 122 |
| RGB Percent | 74%, 83%, 48% |
| CMY | 0.2627, 0.1686, 0.5216 |
| CMYK | 0.11, 0.00, 0.42, 0.17 |
| HSL | 76°, 51%, 65% |
| HSV | 76°, 42%, 83% |
| XYZ | 47.7954, 59.1835, 27.3168 |
| YIQ | 194.5640, 14.5860, -33.0780 |

Conversions

Conversions Part 2

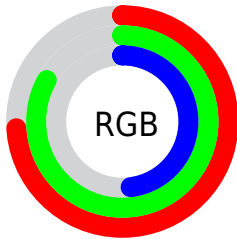
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 122, 212, 146 |
| Decimal | 12375162 |
| CIELab | 81.39, -22.19, 41.78 |
| CIElCh | 81, 47.305, 117.974 |
| Yxy | 59.1835, 0.3559, 0.4407 |
| Android (android.graphics.Color) | 4290565242 (0xFFBCD47A) |
| YUV | 194.5640, -35.7741, -5.7566 |
| Hunter-Lab | 76.9308, -23.7309, 32.7987 |

Details

The XYZ color **47.7954, 59.1835, 27.3168** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.6995, 24.7851, 65.4567**, and the grayscale version is **51.8136, 54.5119, 59.3635**.

A 20% lighter version of the original color is **81.2527, 94.0671, 54.9486**, and **22.8672, 29.5554, 10.4608** is the 20% darker color. If you saturate the color by 10%, you get **45.2572, 58.0125, 21.0733**, and if you desaturate by 10%, it is **50.6777, 60.5026, 35.0745**.

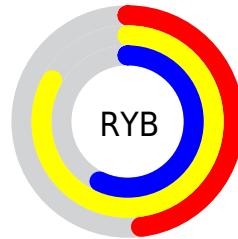
Distribution



Red (74%)

Green (83%)

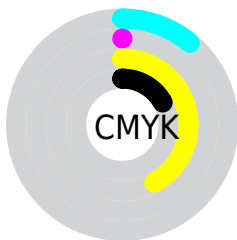
Blue (48%)



Red (48%)

Yellow (83%)

Blue (57%)

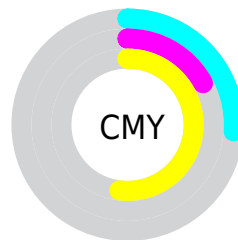


Cyan (11%)

Magenta (0%)

Yellow (42%)

Black (17%)



Cyan (26%)


Magenta (17%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7954, 59.1835, 27.3168 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 47.7954, 59.1835, 27.3168 by changing the saturation by 10% instead.


 47.7954, 59.1835,
27.3168


 47.7954, 59.1835,
27.3168


368.5767,
421.5816, 302.9963


 33.8755, 42.7609,
17.5768


 86.1112, 103.6443,
56.4017

 22.9604, 29.6975,
10.4803

 111.2379,
132.4513, 76.5837

 14.6848, 19.6091,
5.6088


 140.8307,
166.1551, 101.0833

 8.6833, 12.1112,
2.5438

175.2552,
205.1403, 130.3193

 4.5907, 6.8195,
0.8632

214.8767,
249.7911, 164.7100

 2.0414, 3.3495,
0.0000

260.0606,

 0.6571, 1.3168,

300.4920, 204.6740

0.0000

311.1721,
357.6274, 250.6300

■ 0.0000, 0.1541,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.7954, 59.1835,
27.3168

■ 47.7954, 59.1835,
27.3168

■ 45.2572, 58.0125,
21.0733

■ 50.6777, 60.5026,
35.0745

■ 43.0393, 56.9738,
16.2411


■ 53.9174, 61.9689,
44.4328

■ 41.1213, 56.0612,
12.7102


■ 57.5324, 63.5919,
55.4761


■ 39.4785, 55.2648,
10.3532


■ 61.5380, 65.3775,
68.2820


 38.0811, 54.5725,
9.0167


 65.9486, 67.3317,
82.9229

 37.1509, 54.1038,
8.4850

 70.7776, 69.4600,
99.4675

 73.4571, 70.7352,
104.3894

 75.2762, 71.6729,
104.4745

 77.1544, 72.6412,
104.5624

Harmonies

Analogous

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



56.9272, 59.1835, 23.8987



47.7954, 59.1835, 27.3168



41.6212, 59.1835, 39.6592

Triad

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



47.7954, 59.1835, 27.3168



46.7582, 59.1835, 122.5191



77.4771, 59.1835, 66.3857

Complementary

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



47.7954, 59.1835, 27.3168



30.6995, 24.7851, 65.4567

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.



73.9636, 59.1835, 97.8518



47.7954, 59.1835, 27.3168



55.5824, 59.1835, 135.6295

Square

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



47.7954, 59.1835, 27.3168



41.0735, 59.1835, 93.5111



65.6518, 59.1835, 125.4983



74.7735, 59.1835, 42.1218

Rectangle

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



47.7954, 59.1835, 27.3168



39.6277, 59.1835, 53.7462



65.6518, 59.1835, 125.4983



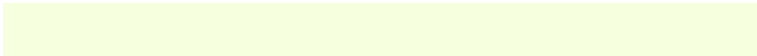
76.9763, 59.1835, 76.4676

Sweetspot

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



47.7969, 59.1861, 27.3181



86.9863, 96.4074, 83.0257



40.9452, 35.9618, 23.1964



18.3476, 20.5138, 16.9300



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.



47.7969, 59.1861, 27.3181



69.0688, 88.2640, 32.7817



38.3860, 54.3347, 26.8776



13.1347, 14.3456, 13.2374



23.0332, 33.4504, 5.2426



1.4658, 2.0570, 0.3198

Inverse Universe

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



30.6995, 24.7851, 65.4567



39.8019, 29.3107, 98.1675



40.3312, 29.7504, 65.9075



12.0502, 12.1673, 15.6509



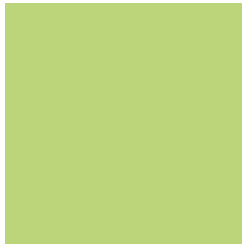
8.4437, 3.5054, 38.6847



0.5881, 0.2520, 2.3370

Previews

White Background



This preview shows how the XYZ color 47.7954, 59.1835, 27.3168 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 47.7954, 59.1835, 27.3168 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 47.7954, 59.1835, 27.3168

Background



This preview shows how black text looks on a background with the XYZ color 47.7954, 59.1835, 27.3168.



This preview shows how white text looks on a background with the XYZ color 47.7954, 59.1835,

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

47.7954, 59.1835, 27.3168

Protanopia

54.2093, 58.9212, 25.6553

Deuteranopia

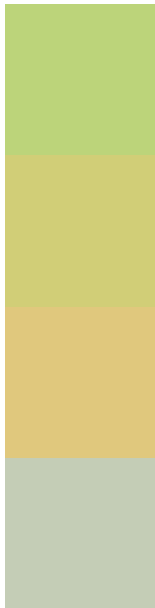
60.1441, 58.8794, 27.9336



Tritanopia

57.2304, 59.0624, 74.0295

Trichromacy



Original Color

47.7954, 59.1835, 27.3168

Protanomaly

51.6956, 59.0298, 26.1220

Deuteranomaly

55.0964, 58.6365, 27.8161

Tritanomaly

53.0398, 58.7758, 52.8053

Monochromacy



Original Color

47.7954, 59.1835, 27.3168

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.6928, 55.8069, 45.1985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7954, 59.1835, 27.3168 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(188, 212, 122)` looks like.

```
.text, #text, p{  
    color:rgb(188, 212, 122)  
}
```

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(188, 212, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 212, 122) }
```

Border

The CSS property to change the border of an element to XYZ 47.7954, 59.1835, 27.3168 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(188, 212, 122) }
```


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

```
.border{ border-color:rgb(188, 212, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 212, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 212, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 212, 122);  
box-shadow:4px 4px 4px 4px rgb(188, 212,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7954, 59.1835, 27.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 212, 122) }
```

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

```
.background{ background-color: rgb(188,  
212, 122) }
```

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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