

Converting Colors

XYZ(47.5975, 58.5713, 52.1362)

Have a look what the booklet for
XYZ(47.5975, 58.5713, 52.1362)
contains.

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Color

**XYZ(47.5076, 58.4892,
51.9657)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D4B4
RGB	166, 212, 180
RGB Percent	65%, 83%, 71%
CMY	0.3490, 0.1686, 0.2941
CMYK	0.22, 0.00, 0.15, 0.17
HSL	138°, 35%, 74%
HSV	138°, 22%, 83%
XYZ	47.5076, 58.4892, 51.9657
YIQ	194.5980, -17.1440, -19.7040

Conversions

Conversions Part 2

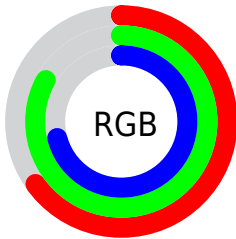
Format	Color
RYB	166, 201, 212
Decimal	10933428
CIELab	81.01, -21.34, 10.96
CIElCh	81, 23.992, 152.811
Yxy	58.4892, 0.3008, 0.3703
Android (android.graphics.Color)	4289123508 (0xFFA6D4B4)
YUV	194.5980, -7.1968, -25.0804
Hunter-Lab	76.4782, -22.9543, 13.2482

Details

The XYZ color **47.5076, 58.4892, 51.9657** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.9827, 45.3481, 59.4946**, and the grayscale version is **51.6827, 54.3742, 59.2135**.

A 20% lighter version of the original color is **81.0245, 93.1057, 93.0576**, and **22.6978, 29.1570, 24.5102** is the 20% darker color. If you saturate the color by 10%, you get **42.0012, 55.8167, 44.2783**, and if you desaturate by 10%, it is **53.9097, 61.6083, 60.5321**.

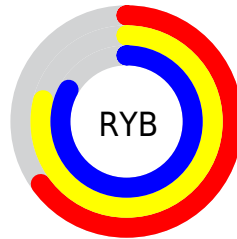
Distribution



Red (65%)

Green (83%)

Blue (71%)



Red (65%)

Yellow (79%)

Blue (83%)

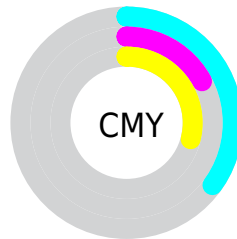


Cyan (22%)

Magenta (0%)

Yellow (15%)

Black (17%)



Cyan (35%)


Magenta (17%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5076, 58.4892, 51.9657 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 47.5076, 58.4892, 51.9657 by changing the saturation by 10% instead.


 47.5076, 58.4892,
51.9657


 47.5076, 58.4892,
51.9657


367.4522,
419.0063, 411.2574

 33.6467, 42.2021,
36.5957


 85.6850, 102.6349,
94.5067

 22.7839, 29.2595,
24.6013


 110.7322,
131.2623, 122.5148

 14.5539, 19.2773,
15.5639

140.2389,
164.7718, 155.5727

 8.5912, 11.8708,
9.0651

174.5704,
203.5480, 194.0988

 4.5304, 6.6558,
4.6863

214.0922,
247.9751, 238.5118

 2.0064, 3.2478,
2.0089

259.1695,

 0.6375, 1.2624,

298.4376, 289.2302

0.5607

310.1677,
355.3199, 346.6726

■ 0.0000, 0.1118,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5076, 58.4892,
51.9657

■ 47.5076, 58.4892,
51.9657

■ 42.0012, 55.8167,
44.2783

■ 53.9097, 61.6083,
60.5321

■ 37.3449, 53.5628,
37.4382

■ 61.2408, 65.1856,
70.0001

■ 33.4962, 51.7080,
31.4171

■ 69.5385, 69.2417,
80.3967

■ 30.4067, 50.2280,
26.1841

■ 78.8367, 73.7936,
91.7463

■ 28.0231, 49.0958,
21.7060

■ 82.6330, 75.4885,
103.7666

■ 26.2841, 48.2807,
17.9474

■ 82.8346, 75.5691,
104.8282

■ 25.1178, 47.7464,
14.8695

■ 24.4849, 47.4652,
12.7997

Harmonies

Analogous

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



50.5666, 58.4892, 43.3173



47.5076, 58.4892, 51.9657



46.5720, 58.4892, 65.0384

Triad

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



47.5076, 58.4892, 51.9657



56.0629, 58.4892, 95.1653



64.0286, 58.4892, 49.9592

Complementary

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



47.5076, 58.4892, 51.9657



50.9827, 45.3481, 59.4946

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.



65.7078, 58.4892, 62.3501



47.5076, 58.4892, 51.9657



60.9403, 58.4892, 89.6057

Square

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



47.5076, 58.4892, 51.9657



51.3336, 58.4892, 91.3040



64.5457, 58.4892, 77.0453



60.0801, 58.4892, 42.2860

Rectangle

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



47.5076, 58.4892, 51.9657



47.2300, 58.4892, 74.9113



64.5457, 58.4892, 77.0453



64.8875, 58.4892, 53.6400

Sweetspot

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



47.5092, 58.4917, 51.9670



86.8498, 95.9962, 98.4154



53.7700, 61.8758, 45.1864



18.4454, 20.4768, 20.8784



0.0000, 0.0000, 0.0000



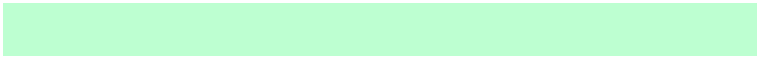
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5092, 58.4917, 51.9670



68.1654, 86.8979, 73.4223



50.0269, 59.4987, 65.2251



12.4164, 13.9576, 14.0075



15.1543, 29.3171, 8.1083



0.9506, 1.7829, 0.6814

Inverse Universe

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



50.9827, 45.3481, 59.4946



74.3429, 63.5142, 86.8042



48.5469, 44.3738, 46.6679



12.7846, 12.5653, 14.8058



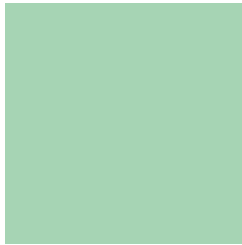
20.0830, 9.9695, 18.2728



1.2474, 0.6157, 1.2919

Previews

White Background



This preview shows how the XYZ color 47.5076, 58.4892, 51.9657 looks on a white background.

Color Contrast Check

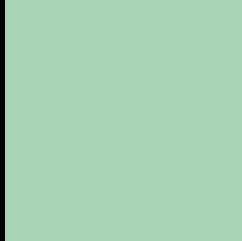
Large Text (above 18pt) WCAG AA × Fail

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 47.5076, 58.4892, 51.9657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

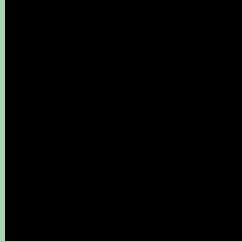
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5076, 58.4892, 51.9657

Background



This preview shows how black text looks on a background with the XYZ color 47.5076, 58.4892, 51.9657.

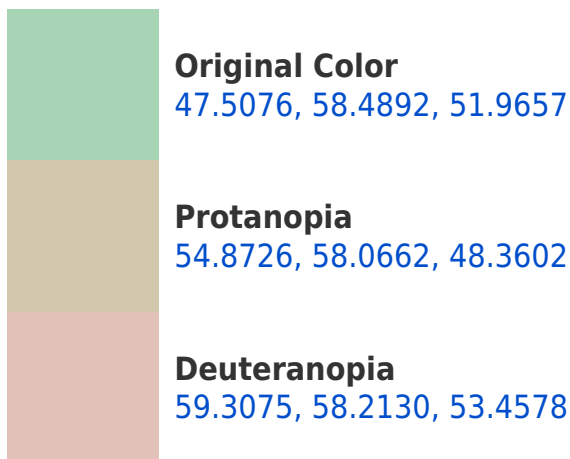


This preview shows how white text looks on a background with the XYZ color 47.5076, 58.4892,

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





Tritanopia

52.7117, 58.4152, 77.6043

Trichromacy



Original Color

47.5076, 58.4892, 51.9657

Protanomaly

51.6775, 57.7897, 49.5051

Deuteranomaly

54.3357, 58.0296, 53.1368

Tritanomaly

50.6129, 58.2747, 67.6120

Monochromacy



Original Color

47.5076, 58.4892, 51.9657

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.9481, 55.6813, 56.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5076, 58.4892, 51.9657 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(166, 212, 180)` looks like.

```
.text, #text, p{  
    color:rgb(166, 212, 180)  
}
```

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(166, 212, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 212, 180) }
```

Border

The CSS property to change the border of an element to XYZ 47.5076, 58.4892, 51.9657 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(166, 212, 180) }
```


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

```
.border{ border-color:rgb(166, 212, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 212, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 212, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 212, 180);  
box-shadow:4px 4px 4px 4px rgb(166, 212,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5076, 58.4892, 51.9657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 212, 180) }
```

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

```
.background{ background-color: rgb(166,  
212, 180) }
```

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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