

Converting Colors

XYZ(50.7479, 64.2732, 51.6729)

Have a look what the booklet for
XYZ(50.7479, 64.2732, 51.6729)
contains.

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Color

**XYZ(50.7857, 64.4247,
51.8780)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DFB2
RGB	169, 223, 178
RGB Percent	66%, 87%, 70%
CMY	0.3373, 0.1255, 0.3020
CMYK	0.24, 0.00, 0.20, 0.13
HSL	130°, 46%, 77%
HSV	130°, 24%, 87%
XYZ	50.7857, 64.4247, 51.8780
YIQ	201.7240, -17.7390, -25.4430

Conversions

Conversions Part 2

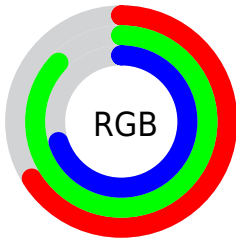
Format	Color
RYB	169, 215, 223
Decimal	11132850
CIELab	84.19, -26.11, 16.53
CIELCh	84, 30.899, 147.665
Yxy	64.4247, 0.3039, 0.3856
Android (android.graphics.Color)	4289322930 (0xFFA9DFB2)
YUV	201.7240, -11.6959, -28.6989
Hunter-Lab	80.2650, -27.5223, 17.8644

Details

The XYZ color **50.7857, 64.4247, 51.8780** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.7591, 48.9203, 70.0720**, and the grayscale version is **56.0469, 58.9657, 64.2136**.

A 20% lighter version of the original color is **81.6626, 93.4681, 91.5790**, and **24.9068, 33.1989, 24.4973** is the 20% darker color. If you saturate the color by 10%, you get **44.6623, 61.4710, 42.5026**, and if you desaturate by 10%, it is **57.9813, 67.9056, 62.6258**.

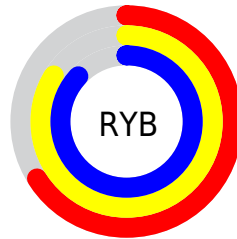
Distribution



Red (66%)

Green (87%)

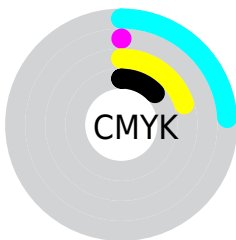
Blue (70%)



Red (66%)

Yellow (84%)

Blue (87%)

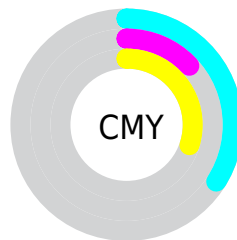


Cyan (24%)

Magenta (0%)

Yellow (20%)

Black (13%)



Cyan (34%)


Magenta (13%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7857, 64.4247, 51.8780 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 50.7857, 64.4247, 51.8780 by changing the saturation by 10% instead.


 50.7857, 64.4247,
51.8780

 50.7857, 64.4247,
51.8780


380.1320,
440.7217, 410.9090

 36.2584, 46.9947,
36.5263


 90.5228, 111.2223,
94.3760

 24.8049, 33.0315,
24.5480


116.4633,
141.3588, 122.3594

 16.0597, 22.1506,
15.5247

146.9390,
176.4996, 155.3905

 9.6575, 13.9676,
9.0377

182.3152,
217.0291, 193.8876

 5.2330, 8.0981,
4.6687

222.9572,
263.3316, 238.2696

 2.4208, 4.1578,
1.9989

269.2305,

 0.8555, 1.7622,

315.7916, 288.9547

0.5546

321.5003,
374.7935, 346.3617

0.0000, 0.4635,
0.0000

0.0000, 0.0000,
0.0000

50.7857, 64.4247,
51.8780

50.7857, 64.4247,
51.8780

44.6623, 61.4710,
42.5026

57.9813, 67.9056,
62.6258

39.5545, 59.0110,
34.4403

66.2920, 71.9292,
74.7938

35.4081, 57.0198,
27.6337

75.7644, 76.5204,
88.4326

32.1621, 55.4673,
22.0194

85.2530, 81.0875,
103.5334

■ 29.7479, 54.3196,
17.5286

■ 85.6789, 81.2578,
105.7763

■ 28.0870, 53.5379,
14.0854

■ 27.0852, 53.0753,
11.6043

■ 26.7255, 52.9125,
10.5687

Harmonies

Analogous

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



55.3314, 64.4247, 41.8104



50.7857, 64.4247, 51.8780



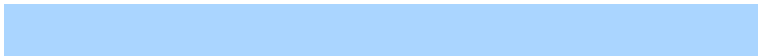
49.0171, 64.4247, 68.6250

Triad

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



50.7857, 64.4247, 51.8780



60.6998, 64.4247, 114.8831



73.6285, 64.4247, 54.0809

Complementary

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



50.7857, 64.4247, 51.8780



56.7591, 48.9203, 70.0720

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.



75.3283, 64.4247, 71.6925



50.7857, 64.4247, 51.8780



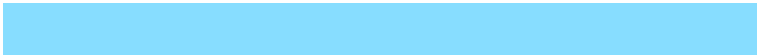
67.5416, 64.4247, 109.0489

Square

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



50.7857, 64.4247, 51.8780



54.4690, 64.4247, 107.0036



73.0246, 64.4247, 92.2699



68.5366, 64.4247, 42.9061

Rectangle

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



50.7857, 64.4247, 51.8780



49.5439, 64.4247, 82.2019



73.0246, 64.4247, 92.2699



74.6314, 64.4247, 59.3333

Sweetspot

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



50.7874, 64.4274, 51.8794



86.4819, 95.8491, 96.4781



61.2832, 69.9392, 47.8063



18.3604, 20.4429, 20.4309



0.0000, 0.0000, 0.0000



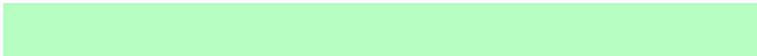
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7874, 64.4274, 51.8794



64.4953, 85.2168, 63.7210



53.7712, 65.6209, 67.5919



13.6215, 15.3743, 15.0421



15.7414, 31.1214, 6.3610



1.1197, 2.1686, 0.5915

Inverse Universe

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



56.7591, 48.9203, 70.0720



73.9026, 60.7795, 92.3733



53.5909, 47.6530, 53.3884



14.1918, 13.8943, 16.7801



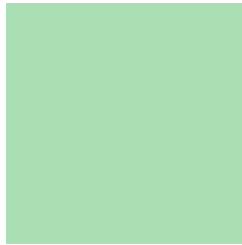
23.1302, 11.3191, 28.4152



1.6297, 0.7951, 2.1087

Previews

White Background



This preview shows how the XYZ color 50.7857, 64.4247, 51.8780 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 50.7857, 64.4247, 51.8780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

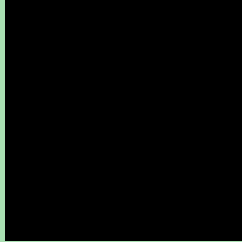
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7857, 64.4247, 51.8780

Background



This preview shows how black text looks on a background with the XYZ color 50.7857, 64.4247, 51.8780.



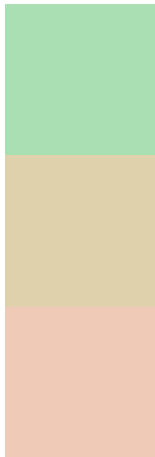
This preview shows how white text looks on a background with the XYZ color 50.7857, 64.4247,

51.8780.

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

50.7857, 64.4247, 51.8780

Protanopia

60.2754, 64.0708, 47.7181

Deuteranopia

65.1606, 63.9692, 53.1689



Tritanopia

57.8543, 64.5786, 86.5065

Trichromacy



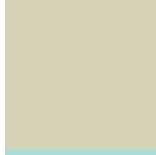
Original Color

50.7857, 64.4247, 51.8780



Protanomaly

56.3152, 63.8456, 49.3997



Deuteranomaly

59.1186, 63.7255, 52.9004



Tritanomaly

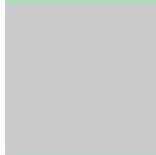
55.0210, 64.5811, 72.5163

Monochromacy



Original Color

50.7857, 64.4247, 51.8780



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.9074, 60.8906, 59.3639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7857, 64.4247, 51.8780 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(169, 223, 178)` looks like.

```
.text, #text, p{  
    color:rgb(169, 223, 178)  
}
```

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(169, 223, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 223, 178) }
```

Border

The CSS property to change the border of an element to XYZ 50.7857, 64.4247, 51.8780 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(169, 223, 178) }
```


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

```
.border{ border-color:rgb(169, 223, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 223, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 223, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 223, 178);  
box-shadow:4px 4px 4px 4px rgb(169, 223,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7857, 64.4247, 51.8780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 223, 178) }
```

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

```
.background{ background-color: rgb(169,  
223, 178) }
```

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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