

Converting Colors

XYZ(49.9051, 59.6696, 48.7034)

Have a look what the booklet for
XYZ(49.9051, 59.6696, 48.7034)
contains.

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Color

**XYZ(50.0059, 59.8463,
48.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D4AE
RGB	180, 212, 174
RGB Percent	71%, 83%, 68%
CMY	0.2941, 0.1686, 0.3176
CMYK	0.15, 0.00, 0.18, 0.17
HSL	111°, 31%, 76%
HSV	111°, 18%, 83%
XYZ	50.0059, 59.8463, 48.9603
YIQ	198.1000, -6.8740, -18.6020

Conversions

Conversions Part 2

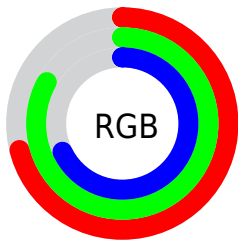
Format	Color
RYB	174, 212, 206
Decimal	11850926
CIELab	81.75, -17.71, 15.32
CIELCh	82, 23.418, 139.145
Yxy	59.8463, 0.3149, 0.3768
Android (android.graphics.Color)	4290041006 (0xFFB4D4AE)
YUV	198.1000, -11.8813, -15.8737
Hunter-Lab	77.3604, -19.9980, 16.6285

Details

The XYZ color **50.0059, 59.8463, 48.9603** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.4757, 48.1491, 68.8184**, and the grayscale version is **53.8116, 56.6140, 61.6527**.

A 20% lighter version of the original color is **84.6350, 95.0660, 88.7518**, and **24.3222, 30.0311, 22.9270** is the 20% darker color. If you saturate the color by 10%, you get **44.2083, 57.0796, 38.7384**, and if you desaturate by 10%, it is **56.6683, 63.0247, 60.9280**.

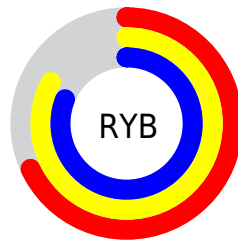
Distribution



Red (71%)

Green (83%)

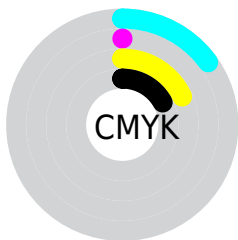
Blue (68%)



Red (68%)

Yellow (83%)

Blue (81%)

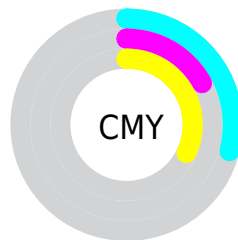


Cyan (15%)

Magenta (0%)

Yellow (18%)

Black (17%)



Cyan (29%)

Magenta (17%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0059, 59.8463, 48.9603 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 50.0059, 59.8463, 48.9603 by changing the saturation by 10% instead.

■ 50.0059, 59.8463,
48.9603

■ 50.0059, 59.8463,
48.9603

377.1406,
424.0310, 399.2040

■ 35.6359, 43.2948,
34.2226

■ 89.3754, 104.6067,
90.0129

■ 24.3219, 30.1165,
22.7859

115.1056,
133.5843, 117.1648

■ 15.6986, 19.9270,
14.2317

145.3532,
167.4727, 149.2919

■ 9.4006, 12.3420,
8.1414

180.4837,
206.6564, 186.8128

■ 5.0626, 6.9770,
4.0965

220.8623,
251.5196, 230.1459

■ 2.3192, 3.4477,
1.6784

266.8544,

■ 0.8045, 1.3697,

302.4469, 279.7097

0.3459

318.8254,
359.8226, 335.9229

■ 0.0000, 0.1942,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0059, 59.8463,
48.9603

■ 50.0059, 59.8463,
48.9603

■ 44.2083, 57.0796,
38.7384

■ 56.6683, 63.0247,
60.9280

■ 39.2353, 54.7002,
30.1771

■ 64.2243, 66.6226,
74.7135

■ 35.0503, 52.6931,
23.1898

■ 72.7071, 70.6575,
90.3898

■ 31.6122, 51.0391,
17.6806

■ 81.5283, 74.8959,
104.7671

■ 28.8762, 49.7173,
13.5432

■ 82.8347, 75.5694,
104.8282

■ 26.7923, 48.7047,
10.6570

■ 25.3036, 47.9751,
8.8804

■ 24.3379, 47.4955,
8.0111

■ 24.1870, 47.4205,
7.8783

Harmonies

Analogous

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



53.8281, 59.8463, 42.7233



50.0059, 59.8463, 48.9603



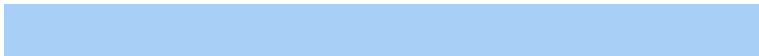
48.0667, 59.8463, 60.1797

Triad

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



50.0059, 59.8463, 48.9603



55.1146, 59.8463, 95.6444



66.3205, 59.8463, 56.6542

Complementary

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



50.0059, 59.8463, 48.9603



52.4757, 48.1491, 68.8184

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.



66.7143, 59.8463, 70.4129



50.0059, 59.8463, 48.9603



60.0496, 59.8463, 94.3379

Square

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



50.0059, 59.8463, 48.9603



50.9008, 59.8463, 87.9417



64.3614, 59.8463, 84.5946



63.3146, 59.8463, 46.7014

Rectangle

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



50.0059, 59.8463, 48.9603



48.0228, 59.8463, 69.5753



64.3614, 59.8463, 84.5946



66.7690, 59.8463, 60.9403

Sweetspot

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



50.0075, 59.8489, 48.9616



89.2241, 97.2260, 98.2653



56.7851, 61.0382, 48.8339



18.9284, 20.7298, 20.7252



0.0000, 0.0000, 0.0000



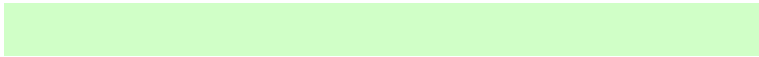
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0075, 59.8489, 48.9616



72.0012, 89.0135, 67.3584



49.9349, 59.6619, 55.7124



12.4432, 13.9892, 13.2051



14.9858, 29.3018, 4.8660



0.9623, 1.7975, 0.2962

Inverse Universe

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



52.4757, 48.1491, 68.8184



76.5069, 67.6397, 103.6312



52.6371, 48.4097, 60.8080



12.7515, 12.5288, 15.6837



18.8168, 8.8529, 39.1702



1.1879, 0.5612, 2.3650

Previews

White Background



This preview shows how the XYZ color 50.0059, 59.8463, 48.9603 looks on a white background.

Color Contrast Check

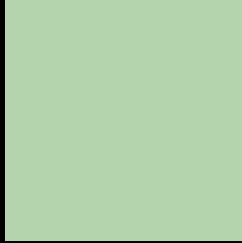
Large Text (above 18pt) WCAG AA × Fail

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 50.0059, 59.8463, 48.9603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

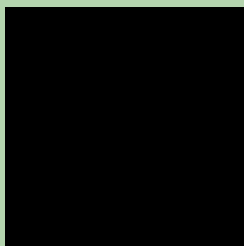
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

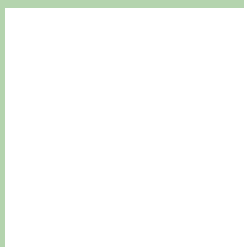
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0059, 59.8463, 48.9603

Background



This preview shows how black text looks on a background with the XYZ color 50.0059, 59.8463, 48.9603.



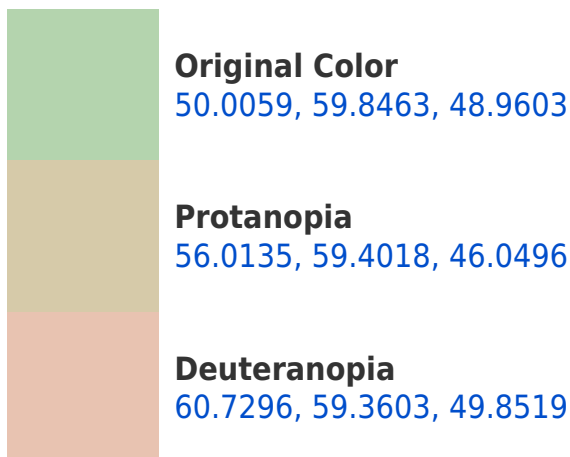
This preview shows how white text looks on a background with the XYZ color 50.0059, 59.8463,

48.9603.

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

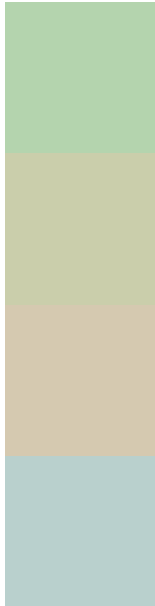




Tritanopia

55.7552, 59.6279, 77.6780

Trichromacy



Original Color

50.0059, 59.8463, 48.9603

Protanomaly

53.7791, 59.6394, 47.2052

Deuteranomaly

56.1637, 59.0540, 49.5127

Tritanomaly

53.5829, 59.8338, 66.4826

Monochromacy



Original Color

50.0059, 59.8463, 48.9603

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.0271, 57.4624, 56.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0059, 59.8463, 48.9603 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(180, 212, 174)` looks like.

```
.text, #text, p{  
    color:rgb(180, 212, 174)  
}
```

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(180, 212, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 212, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.0059, 59.8463, 48.9603 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(180, 212, 174) }
```


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

```
.border{ border-color:rgb(180, 212, 174) }
```

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

Here you see how a box with a 4 pixel rgb(180, 212, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 212, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 212, 174);  
box-shadow:4px 4px 4px 4px rgb(180, 212,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0059, 59.8463, 48.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 212, 174) }
```

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

```
.background{ background-color: rgb(180,  
212, 174) }
```

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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