

Converting Colors

XYZ(48.4066, 57.8709, 50.3285)

Have a look what the booklet for
XYZ(48.4066, 57.8709, 50.3285)
contains.

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Color

**XYZ(48.4155, 57.8892,
50.2169)**

Conversions

Conversions Part 1

Format	Color
Hex	AFD1B1
RGB	175, 209, 177
RGB Percent	69%, 82%, 69%
CMY	0.3137, 0.1804, 0.3059
CMYK	0.16, 0.00, 0.15, 0.18
HSL	124°, 27%, 75%
HSV	124°, 16%, 82%
XYZ	48.4155, 57.8892, 50.2169
YIQ	195.1860, -9.9920, -17.1600

Conversions

Conversions Part 2

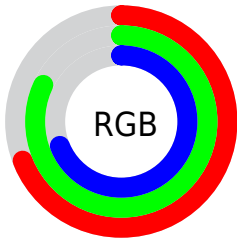
Format	Color
RYB	175, 207, 209
Decimal	11522481
CIELab	80.68, -17.39, 12.16
CIELCh	81, 21.224, 145.039
Yxy	57.8892, 0.3093, 0.3698
Android (android.graphics.Color)	4289712561 (0xFFAFD1B1)
YUV	195.1860, -8.9657, -17.7031
Hunter-Lab	76.0850, -19.5629, 14.1274

Details

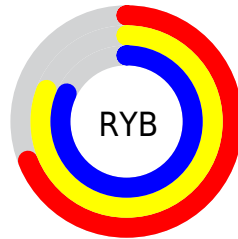
The XYZ color **48.4155, 57.8892, 50.2169** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.8890, 48.7217, 65.6509**, and the grayscale version is **52.0400, 54.7501, 59.6229**.

A 20% lighter version of the original color is **83.4230, 94.3921, 90.9134**, and **23.2197, 28.7040, 23.3854** is the 20% darker color. If you saturate the color by 10%, you get **42.2613, 54.9287, 40.4214**, and if you desaturate by 10%, it is **55.5816, 61.3420, 61.5376**.

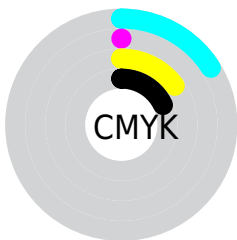
Distribution



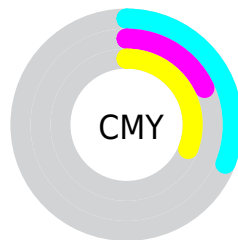
- Red (69%)
- Green (82%)
- Blue (69%)



- Red (69%)
- Yellow (81%)
- Blue (82%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)





- Cyan (31%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4155, 57.8892, 50.2169 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 48.4155, 57.8892, 50.2169 by changing the saturation by 10% instead.


 48.4155, 57.8892,
50.2169

 48.4155, 57.8892,
50.2169

370.9919,
416.7729, 404.2729

 34.3687, 41.7196,
35.2134


 87.0287, 101.7615,
91.8958

 23.3412, 28.8818,
23.5424


112.3257,
130.2330, 119.4082

 14.9677, 18.9914,
14.7855


142.1036,
163.5738, 151.9274

 8.8829, 11.6641,
8.5240

176.7275,
202.1685, 189.8718

 4.7214, 6.5154,
4.3395

216.5630,
246.4013, 233.6600

 2.1178, 3.1609,
1.8134

261.9753,

 0.6989, 1.2163,

296.6567, 283.7106

0.4368

313.3299,
353.3192, 340.4420

■ 0.0000, 0.0750,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.4155, 57.8892,
50.2169

■ 48.4155, 57.8892,
50.2169

■ 42.2613, 54.9287,
40.4214

■ 55.5816, 61.3420,
61.5376

■ 37.0690, 52.4312,
32.0822

■ 63.7973, 65.3003,
74.4407

■ 32.7912, 50.3753,
25.1311

■ 73.1042, 69.7859,
88.9851

■ 29.3751, 48.7355,
19.4927

■ 82.0916, 74.0831,
104.5805

■ 26.7620, 47.4833,
15.0845

■ 24.8860, 46.5866,
11.8148

■ 23.6711, 46.0085,
9.5789

■ 23.0222, 45.7027,
8.2529

■ 22.8697, 45.6304,
7.9595

Harmonies

Analogous

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



51.5399, 57.8892, 43.6367



48.4155, 57.8892, 50.2169



47.0641, 57.8892, 60.9723

Triad

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



48.4155, 57.8892, 50.2169



54.2982, 57.8892, 90.1903



62.9959, 57.8892, 53.3803

Complementary

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



48.4155, 57.8892, 50.2169



52.8890, 48.7217, 65.6509

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.



63.8298, 57.8892, 65.1366



48.4155, 57.8892, 50.2169



58.6574, 57.8892, 87.4595

Square

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



48.4155, 57.8892, 50.2169



50.3437, 57.8892, 84.8949



62.2036, 57.8892, 77.8594



59.9813, 57.8892, 45.2865

Rectangle

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



48.4155, 57.8892, 50.2169



47.2956, 57.8892, 69.4878



62.2036, 57.8892, 77.8594



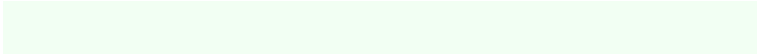
63.5471, 57.8892, 56.9880

Sweetspot

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



48.4171, 57.8917, 50.2182



88.6415, 96.9126, 98.8281



56.3568, 62.0076, 49.5565



18.7875, 20.6539, 20.8613



0.0000, 0.0000, 0.0000



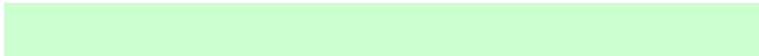
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4171, 57.8917, 50.2182



71.9243, 88.8624, 72.3928



50.1854, 58.5990, 59.5300



11.6841, 13.2174, 12.6929



14.1123, 28.1379, 4.9716



0.7992, 1.5773, 0.3313

Inverse Universe

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



52.8890, 48.7217, 65.6509



80.4036, 71.4740, 101.6536



50.9534, 47.9474, 55.4582



12.2795, 11.9965, 14.7478



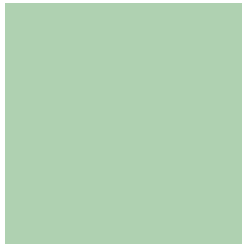
22.4185, 10.8402, 33.4394



1.2628, 0.6099, 1.9189

Previews

White Background



This preview shows how the XYZ color 48.4155, 57.8892, 50.2169 looks on a white background.

Color Contrast Check

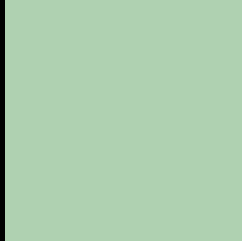
Large Text (above 18pt) WCAG AA × Fail

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 48.4155, 57.8892, 50.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

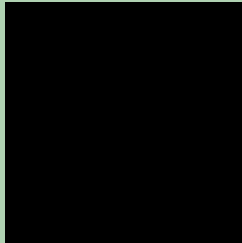
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4155, 57.8892, 50.2169

Background



This preview shows how black text looks on a background with the XYZ color 48.4155, 57.8892, 50.2169.

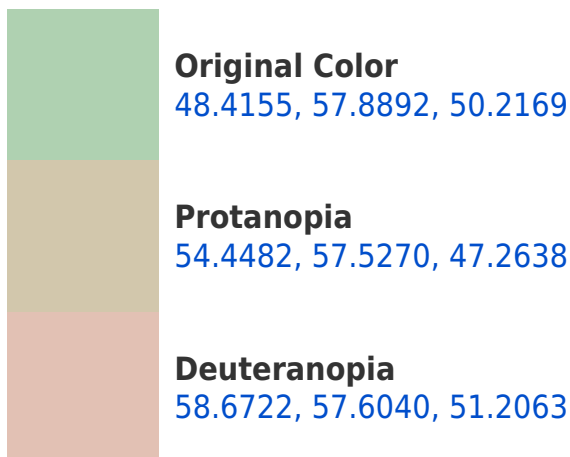


This preview shows how white text looks on a background with the XYZ color 48.4155, 57.8892,

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

53.4335, 57.7714, 75.3526

Trichromacy



Original Color

48.4155, 57.8892, 50.2169

Protanomaly

52.0219, 57.6382, 48.4278

Deuteranomaly

54.2922, 57.3669, 50.8592

Tritanomaly

51.3208, 57.6060, 65.5409

Monochromacy



Original Color

48.4155, 57.8892, 50.2169

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.4704, 55.6308, 55.6547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4155, 57.8892, 50.2169 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(175, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(175, 209, 177)  
}
```

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(175, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 209, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.4155, 57.8892, 50.2169 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(175, 209, 177) }
```


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

```
.border{ border-color:rgb(175, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(175, 209,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4155, 57.8892, 50.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 209, 177) }
```

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

```
.background{ background-color: rgb(175,  
209, 177) }
```

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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