

Converting Colors

XYZ(48.6915, 58.4353, 50.2258)

Have a look what the booklet for
XYZ(48.6915, 58.4353, 50.2258)
contains.

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Color

**XYZ(48.6616, 58.3815,
50.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	AFD2B1
RGB	175, 210, 177
RGB Percent	69%, 82%, 69%
CMY	0.3137, 0.1765, 0.3059
CMYK	0.17, 0.00, 0.16, 0.18
HSL	123°, 28%, 75%
HSV	123°, 17%, 82%
XYZ	48.6616, 58.3815, 50.2990
YIQ	195.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

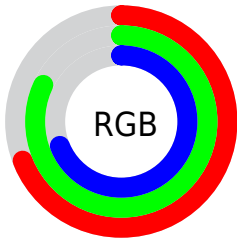
Format	Color
RYB	175, 208, 210
Decimal	11522737
CIELab	80.95, -17.90, 12.55
CIELCh	81, 21.858, 144.963
Yxy	58.3815, 0.3093, 0.3710
Android (android.graphics.Color)	4289712817 (0xFFAFD2B1)
YUV	195.7730, -9.2551, -18.2179
Hunter-Lab	76.4078, -20.0329, 14.4550

Details

The XYZ color **48.6616, 58.3815, 50.2990** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.2955, 48.9170, 66.3101**, and the grayscale version is **52.3927, 55.1212, 60.0270**.

A 20% lighter version of the original color is **83.4230, 94.3921, 90.9134**, and **23.3855, 29.0355, 23.4406** is the 20% darker color. If you saturate the color by 10%, you get **42.4773, 55.4068, 40.4444**, and if you desaturate by 10%, it is **55.8685, 61.8536, 61.6988**.

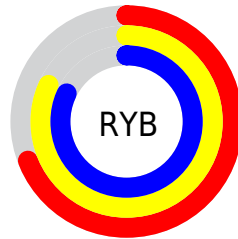
Distribution



Red (69%)

Green (82%)

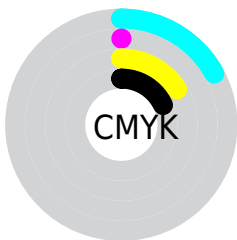
Blue (69%)



Red (69%)

Yellow (82%)

Blue (82%)

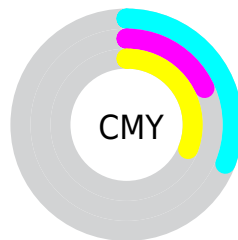


Cyan (17%)

Magenta (0%)

Yellow (16%)

Black (18%)



Cyan (31%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6616, 58.3815, 50.2990 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 48.6616, 58.3815, 50.2990 by changing the saturation by 10% instead.

■ 48.6616, 58.3815,
50.2990

■ 48.6616, 58.3815,
50.2990

371.9477,
418.6060, 404.6026

■ 34.5645, 42.1154,
35.2782

■ 87.3924, 102.4782,
92.0186

■ 23.4926, 29.1917,
23.5920

112.7568,
131.0776, 119.5545

■ 15.0803, 19.2259,
14.8218

142.6078,
164.5570, 152.0991

■ 8.9625, 11.8336,
8.5492

177.3106,
203.3006, 190.0710

■ 4.7736, 6.6305,
4.3556

217.2307,
247.6929, 233.8888

■ 2.1484, 3.2321,
1.8224

262.7333,

■ 0.7154, 1.2541,

298.1183, 283.9709

0.4426

314.1838,
354.9612, 340.7360

■ 0.0000, 0.1052,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6616, 58.3815,
50.2990

■ 48.6616, 58.3815,
50.2990

■ 42.4773, 55.4068,
40.4444

■ 55.8685, 61.8536,
61.6988

■ 37.2649, 52.8997,
32.0647

■ 64.1363, 65.8366,
74.7020

■ 32.9762, 50.8388,
25.0904

■ 73.5074, 70.3526,
89.3689

■ 29.5573, 49.1977,
19.4443

■ 82.3377, 74.5755,
104.6626

■ 26.9486, 47.9476,
15.0423

■ 25.0831, 47.0560,
11.7905

■ 23.8829, 46.4849,
9.5815

■ 23.2495, 46.1863,
8.2878

■ 23.1141, 46.1221,
8.0321

Harmonies

Analogous

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



51.8957, 58.3815, 43.5345



48.6616, 58.3815, 50.2990



47.2604, 58.3815, 61.4030

Triad

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



48.6616, 58.3815, 50.2990



54.7288, 58.3815, 91.7840



63.7639, 58.3815, 53.6137

Complementary

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



48.6616, 58.3815, 50.2990



53.2955, 48.9170, 66.3101

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.



64.6231, 58.3815, 65.7823



48.6616, 58.3815, 50.2990



59.2462, 58.3815, 88.9606

Square

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



48.6616, 58.3815, 50.2990



50.6396, 58.3815, 86.2491



62.9288, 58.3815, 78.9856



60.6403, 58.3815, 45.2580

Rectangle

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



48.6616, 58.3815, 50.2990



47.4958, 58.3815, 70.2257



62.9288, 58.3815, 78.9856



64.3340, 58.3815, 57.3441

Sweetspot

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



48.6632, 58.3840, 50.3003



88.6383, 96.9113, 98.8112



56.8698, 62.6375, 49.6509



18.7867, 20.6536, 20.8572



0.0000, 0.0000, 0.0000



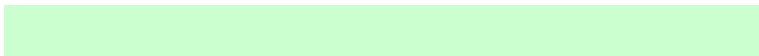
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6632, 58.3840, 50.3003



71.9139, 88.8582, 72.3380



50.4933, 59.1160, 59.9373



11.6833, 13.2171, 12.6887



14.1108, 28.1372, 4.9635



0.7988, 1.5772, 0.3293

Inverse Universe

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



53.2955, 48.9170, 66.3101



80.4171, 71.4794, 101.7247



51.2866, 48.1134, 55.7314



12.2804, 11.9969, 14.7524



22.4427, 10.8499, 33.5673



1.2639, 0.6103, 1.9248

Previews

White Background



This preview shows how the XYZ color 48.6616, 58.3815, 50.2990 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 48.6616, 58.3815, 50.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

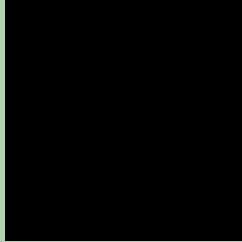
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6616, 58.3815, 50.2990

Background



This preview shows how black text looks on a background with the XYZ color 48.6616, 58.3815, 50.2990.

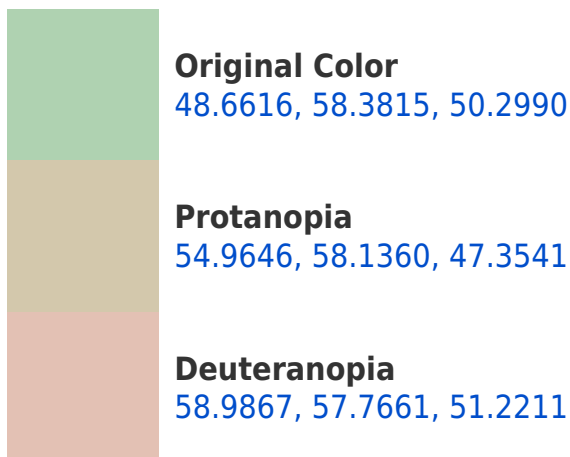


This preview shows how white text looks on a background with the XYZ color 48.6616, 58.3815,

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

53.8025, 58.2981, 76.1271

Trichromacy



Original Color

48.6616, 58.3815, 50.2990

Protanomaly

52.5215, 58.2475, 48.5191

Deuteranomaly

54.5725, 57.5114, 50.8724

Tritanomaly

51.5608, 58.0860, 65.6209

Monochromacy



Original Color

48.6616, 58.3815, 50.2990

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.8110, 56.1388, 56.3020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6616, 58.3815, 50.2990 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, 210, 177)` looks like.

```
.text, #text, p{  
    color:rgb(175, 210, 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, 210, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 210, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.6616, 58.3815, 50.2990 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, 210, 177) }
```


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

```
.border{ border-color:rgb(175, 210, 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, 210, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 210, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 210, 177);  
box-shadow:4px 4px 4px 4px rgb(175, 210,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6616, 58.3815, 50.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 210, 177) }
```

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

```
.background{ background-color: rgb(175,  
210, 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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