

Converting Colors

XYZ(49.4476, 57.1169, 48.7444)

Have a look what the booklet for
XYZ(49.4476, 57.1169, 48.7444)
contains.

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Color

**XYZ(49.3363, 56.9481,
48.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	B8CDAF
RGB	184, 205, 175
RGB Percent	72%, 80%, 69%
CMY	0.2784, 0.1961, 0.3137
CMYK	0.10, 0.00, 0.15, 0.20
HSL	102°, 23%, 75%
HSV	102°, 15%, 80%
XYZ	49.3363, 56.9481, 48.9492
YIQ	195.3010, -2.8860, -13.7820

Conversions

Conversions Part 2

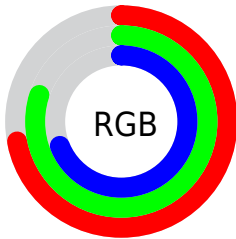
Format	Color
R _{YB}	175, 205, 196
Decimal	12111279
CIE Lab	80.15, -12.61, 12.56
CIE LCh	80, 17.800, 135.098
Yxy	56.9481, 0.3178, 0.3669
Android (android.graphics.Color)	4290301359 (0xFFB8CDAF)
YUV	195.3010, -10.0084, -9.9110
Hunter-Lab	75.4640, -15.3635, 14.3667

Details

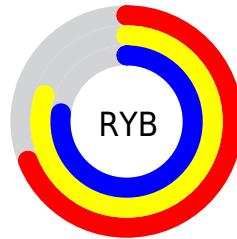
The XYZ color **49.3363, 56.9481, 48.9492** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.1167, 46.8051, 64.2061**, and the grayscale version is **52.1116, 54.8254, 59.7049**.

A 20% lighter version of the original color is **86.1190, 95.8148, 89.5565**, and **24.0018, 28.3886, 22.9534** is the 20% darker color. If you saturate the color by 10%, you get **44.2089, 54.5217, 38.9848**, and if you desaturate by 10%, it is **55.1213, 59.6815, 60.5424**.

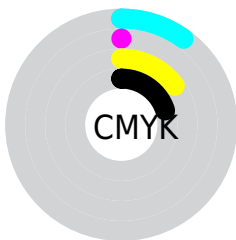
Distribution



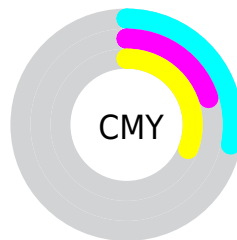
- Red (72%)
- Green (80%)
- Blue (69%)



- Red (69%)
- Yellow (80%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3363, 56.9481, 48.9492 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 49.3363, 56.9481, 48.9492 by changing the saturation by 10% instead.

■ 49.3363, 56.9481,
48.9492

■ 49.3363, 56.9481,
48.9492

374.5598,
413.2548, 399.1590

■ 35.1020, 40.9636,
34.2139

■ 88.3884, 100.3895,
89.9962

■ 23.9083, 28.2906,
22.7793

113.9370,
128.6151, 117.1450

■ 15.3900, 18.5449,
14.2268

143.9876,
161.6898, 149.2686

■ 9.1816, 11.3419,
8.1380

178.9057,
199.9982, 186.7857

■ 4.9179, 6.2973,
4.0944

219.0566,
243.9244, 230.1147

■ 2.2334, 3.0267,
1.6773

264.8057,

■ 0.7603, 1.1457,

293.8530, 279.6742

0.3451

316.5183,
350.1684, 335.8828

■ 0.0000, 0.0166,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3363, 56.9481,
48.9492

■ 49.3363, 56.9481,
48.9492

■ 44.2089, 54.5217,
38.9848

■ 55.1213, 59.6815,
60.5424

■ 39.7104, 52.3842,
30.5727

■ 61.5822, 62.7248,
73.8288

■ 35.8167, 50.5265,
23.6357

■ 68.7420, 66.0902,
88.8742

■ 32.5004, 48.9362,
18.0885

■ 76.2971, 69.6573,
104.0317

■ 29.7316, 47.6001,
13.8373

■ 81.1224, 72.1449,
104.2575

■ 27.4776, 46.5035,
10.7765

■ 25.7016, 45.6302,
8.7839

■ 24.3605, 44.9612,
7.7110

■ 23.7872, 44.6726,
7.3690

Harmonies

Analogous

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



52.3311, 56.9481, 44.6528



49.3363, 56.9481, 48.9492



47.6637, 56.9481, 57.0108

Triad

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



49.3363, 56.9481, 48.9492



52.3537, 56.9481, 83.3806



61.1440, 56.9481, 56.9484

Complementary

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



49.3363, 56.9481, 48.9492



49.1167, 46.8051, 64.2061

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.



61.1507, 56.9481, 67.2865



49.3363, 56.9481, 48.9492



55.9644, 56.9481, 83.3591

Square

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



49.3363, 56.9481, 48.9492



49.3522, 56.9481, 77.2576



59.2192, 56.9481, 77.2017



59.2013, 56.9481, 48.9079

Rectangle

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



49.3363, 56.9481, 48.9492



47.4738, 56.9481, 63.7986



59.2192, 56.9481, 77.2017



61.3755, 56.9481, 60.2488

Sweetspot

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



49.3378, 56.9506, 48.9504



90.8725, 98.0311, 100.3586



52.6569, 55.5566, 48.5064



19.2867, 20.9055, 21.1480



0.0000, 0.0000, 0.0000



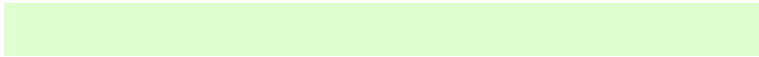
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3378, 56.9506, 48.9504



77.6716, 91.7953, 74.0111



47.8527, 56.1153, 52.0265



11.3791, 12.6973, 11.9305



14.8922, 27.8525, 4.5912



0.8455, 1.4767, 0.2405

Inverse Universe

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



49.1167, 46.8051, 64.2061



77.2301, 71.6117, 104.3597



50.8177, 47.7641, 60.5763



11.3472, 11.2283, 14.1396



14.0670, 6.4594, 36.4616



0.8000, 0.3715, 1.8845

Previews

White Background



This preview shows how the XYZ color 49.3363, 56.9481, 48.9492 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 49.3363, 56.9481, 48.9492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

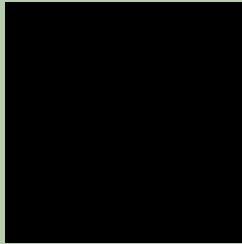
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

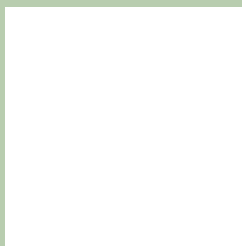
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3363, 56.9481, 48.9492

Background



This preview shows how black text looks on a background with the XYZ color 49.3363, 56.9481, 48.9492.



This preview shows how white text looks on a background with the XYZ color 49.3363, 56.9481,

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

49.3363, 56.9481, 48.9492

Protanopia

53.5572, 56.7383, 46.6569

Deuteranopia

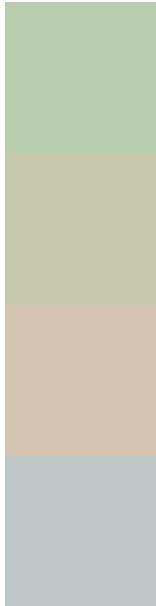
57.7180, 56.4835, 49.9798



Tritanopia

53.9244, 56.7003, 72.3921

Trichromacy



Original Color

49.3363, 56.9481, 48.9492

Protanomaly

51.8862, 56.8940, 47.2767

Deuteranomaly

54.2541, 56.3558, 49.6132

Tritanomaly

52.0510, 56.6348, 62.8318

Monochromacy



Original Color

49.3363, 56.9481, 48.9492

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.9864, 55.5541, 55.6127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3363, 56.9481, 48.9492 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(184, 205, 175)` looks like.

```
.text, #text, p{  
    color:rgb(184, 205, 175)  
}
```

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(184, 205, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 205, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.3363, 56.9481, 48.9492 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(184, 205, 175) }
```


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

```
.border{ border-color:rgb(184, 205, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 205, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 205, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 205, 175);  
box-shadow:4px 4px 4px 4px rgb(184, 205,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3363, 56.9481, 48.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 205, 175) }
```

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

```
.background{ background-color: rgb(184,  
205, 175) }
```

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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