

Converting Colors

XYZ(49.6594, 58.5864, 49.8454)

Have a look what the booklet for
XYZ(49.6594, 58.5864, 49.8454)
contains.

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Color

**XYZ(49.6930, 58.5593,
49.7583)**

Conversions

Conversions Part 1

Format	Color
Hex	B5D1B0
RGB	181, 209, 176
RGB Percent	71%, 82%, 69%
CMY	0.2902, 0.1804, 0.3098
CMYK	0.13, 0.00, 0.16, 0.18
HSL	111°, 26%, 75%
HSV	111°, 16%, 82%
XYZ	49.6930, 58.5593, 49.7583
YIQ	196.8660, -6.0950, -16.1990

Conversions

Conversions Part 2

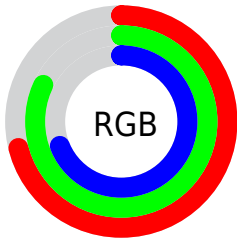
Format	Color
R _{YB}	176, 209, 204
Decimal	11915696
CIE Lab	81.05, -15.51, 13.27
CIE LCh	81, 20.418, 139.449
Yxy	58.5593, 0.3145, 0.3706
Android (android.graphics.Color)	4290105776 (0xFFB5D1B0)
YUV	196.8660, -10.2869, -13.9145
Hunter-Lab	76.5240, -18.0032, 15.0146

Details

The XYZ color **49.6930, 58.5593, 49.7583** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.9382, 48.4932, 66.9474**, and the grayscale version is **53.0541, 55.8171, 60.7848**.

A 20% lighter version of the original color is **85.2505, 95.3507, 90.2553**, and **24.1986, 29.4619, 23.1502** is the 20% darker color. If you saturate the color by 10%, you get **43.8854, 55.7879, 39.5101**, and if you desaturate by 10%, it is **56.3515, 61.7360, 61.7108**.

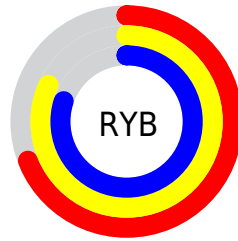
Distribution



Red (71%)

Green (82%)

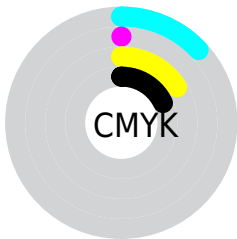
Blue (69%)



Red (69%)

Yellow (82%)

Blue (80%)

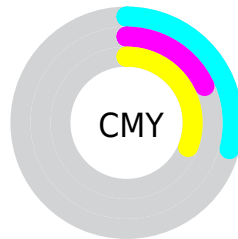


Cyan (13%)

Magenta (0%)

Yellow (16%)

Black (18%)



Cyan (29%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6930, 58.5593, 49.7583 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 49.6930, 58.5593, 49.7583 by changing the saturation by 10% instead.

■ 49.6930, 58.5593,
49.7583

■ 49.6930, 58.5593,
49.7583

375.9360,
419.2668, 402.4280

■ 35.3863, 42.2585,
34.8516

■ 88.9144, 102.7369,
91.2093

■ 24.1285, 29.3037,
23.2659

114.5598,
131.3824, 118.5906

■ 15.5542, 19.3107,
14.5828

144.7155,
164.9116, 150.9672

■ 9.2981, 11.8950,
8.3838

179.7469,
203.7089, 188.7575

■ 4.9948, 6.6722,
4.2502

220.0193,
248.1587, 232.3803

■ 2.2789, 3.2580,
1.7636

265.8980,

■ 0.7839, 1.2678,

298.6453, 282.2539

0.4038

317.7485,
355.5532, 338.7969

■ 0.0000, 0.1161,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6930, 58.5593,
49.7583

■ 49.6930, 58.5593,
49.7583

■ 43.8854, 55.7879,
39.5101

■ 56.3515, 61.7360,
61.7108

■ 38.8898, 53.3983,
30.8850

■ 63.8887, 65.3255,
75.4362

■ 34.6709, 51.3758,
23.8008

■ 72.3367, 69.3448,
91.0040

■ 31.1892, 49.7020,
18.1667

■ 80.9744, 73.5073,
104.5283

■ 28.4016, 48.3569,
13.8825

■ 82.0916, 74.0833,
104.5805

■ 26.2604, 47.3183,
10.8351

■ 24.7115, 46.5612,
8.8930

■ 23.6913, 46.0563,
7.8937

■ 23.3868, 45.9049,
7.6279

Harmonies

Analogous

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



52.9890, 58.5593, 44.1870



49.6930, 58.5593, 49.7583



48.0248, 58.5593, 59.5818

Triad

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



49.6930, 58.5593, 49.7583



54.1798, 58.5593, 89.5706



63.7031, 58.5593, 56.3007

Complementary

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



49.6930, 58.5593, 49.7583



51.9382, 48.4932, 66.9474

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.



64.0618, 58.5593, 68.1314



49.6930, 58.5593, 49.7583



58.4169, 58.5593, 88.4002

Square

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



49.6930, 58.5593, 49.7583



50.5266, 58.5593, 83.1917



62.0841, 58.5593, 80.1716



61.1274, 58.5593, 47.6193

Rectangle

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



49.6930, 58.5593, 49.7583



48.0002, 58.5593, 67.6703



62.0841, 58.5593, 80.1716



64.0917, 58.5593, 60.0055

Sweetspot

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



49.6946, 58.5618, 49.7596



89.1958, 97.2114, 98.2640



55.6077, 59.6411, 49.6562



18.9216, 20.7262, 20.7249



0.0000, 0.0000, 0.0000



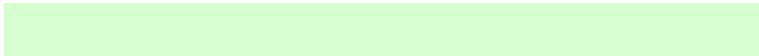
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6946, 58.5618, 49.7596



74.6668, 90.2825, 72.2344



49.6765, 58.4216, 55.6735



11.8206, 13.2910, 12.5544



14.4713, 28.3292, 4.7054



0.8634, 1.6120, 0.2656

Inverse Universe

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



51.9382, 48.4932, 66.9474



78.8452, 71.5224, 104.2574



52.0150, 48.6848, 60.0840



12.1275, 11.9146, 14.9042



18.3900, 8.6607, 37.8949



1.0771, 0.5094, 2.1211

Previews

White Background



This preview shows how the XYZ color 49.6930, 58.5593, 49.7583 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 49.6930, 58.5593, 49.7583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

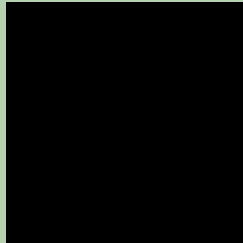
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6930, 58.5593, 49.7583

Background



This preview shows how black text looks on a background with the XYZ color 49.6930, 58.5593, 49.7583.



This preview shows how white text looks on a background with the XYZ color 49.6930, 58.5593,

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

49.6930, 58.5593, 49.7583

Protanopia

54.9646, 58.1360, 47.3541

Deuteranopia

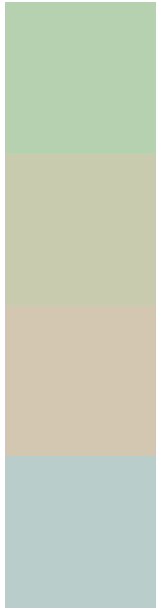
59.4234, 58.3322, 50.7751



Tritanopia

54.8812, 58.5177, 75.4203

Trichromacy



Original Color

49.6930, 58.5593, 49.7583

Protanomaly

52.7182, 58.0084, 47.9534

Deuteranomaly

55.3233, 57.9101, 50.3814

Tritanomaly

52.6184, 58.2887, 64.9775

Monochromacy



Original Color

49.6930, 58.5593, 49.7583

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.5578, 56.5238, 56.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6930, 58.5593, 49.7583 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(181, 209, 176)` looks like.

```
.text, #text, p{  
    color:rgb(181, 209, 176)  
}
```

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(181, 209, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 209, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.6930, 58.5593, 49.7583 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(181, 209, 176) }
```


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

```
.border{ border-color:rgb(181, 209, 176) }
```

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

Here you see how a box with a 4 pixel rgb(181, 209, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 209, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 209, 176);  
box-shadow:4px 4px 4px 4px rgb(181, 209,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6930, 58.5593, 49.7583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 209, 176) }
```

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

```
.background{ background-color: rgb(181,  
209, 176) }
```

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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