

Converting Colors

XYZ(49.5623, 58.9294, 51.9583)

Have a look what the booklet for
XYZ(49.5623, 58.9294, 51.9583)
contains.

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Color

**XYZ(49.4163, 58.7356,
51.9126)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D2B4
RGB	177, 210, 180
RGB Percent	69%, 82%, 71%
CMY	0.3059, 0.1765, 0.2941
CMYK	0.16, 0.00, 0.14, 0.18
HSL	125°, 27%, 76%
HSV	125°, 16%, 82%
XYZ	49.4163, 58.7356, 51.9126
YIQ	196.7130, -10.0380, -16.3260

Conversions

Conversions Part 2

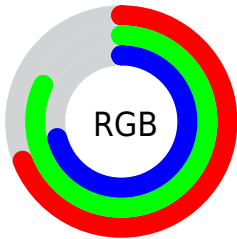
Format	Color
RYB	177, 207, 210
Decimal	11653812
CIELab	81.15, -16.68, 11.25
CIElCh	81, 20.121, 146.006
Yxy	58.7356, 0.3087, 0.3669
Android (android.graphics.Color)	4289843892 (0xFFB1D2B4)
YUV	196.7130, -8.2395, -17.2883
Hunter-Lab	76.6392, -19.0232, 13.4865

Details

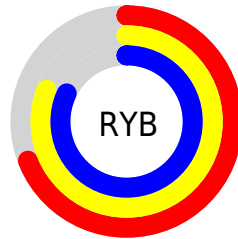
The XYZ color **49.4163, 58.7356, 51.9126** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.5651, 49.6523, 65.7949**, and the grayscale version is **52.9516, 55.7092, 60.6673**.

A 20% lighter version of the original color is **84.5046, 94.8998, 93.2205**, and **23.8643, 29.2601, 24.4687** is the 20% darker color. If you saturate the color by 10%, you get **43.1833, 55.7335, 42.1584**, and if you desaturate by 10%, it is **56.6565, 62.2293, 63.1148**.

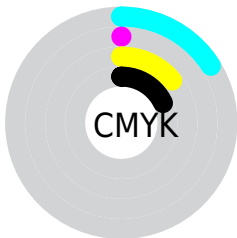
Distribution



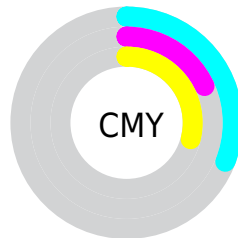
- Red (69%)
- Green (82%)
- Blue (71%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)



- Cyan (31%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4163, 58.7356, 51.9126 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 49.4163, 58.7356, 51.9126 by changing the saturation by 10% instead.

■ 49.4163, 58.7356,
51.9126

■ 49.4163, 58.7356,
51.9126

374.8687,
419.9214, 411.0464

■ 35.1657, 42.4003,
36.5537

■ 88.5064, 102.9933,
94.4276

■ 23.9577, 29.4149,
24.5690

114.0767,
131.6845, 122.4207

■ 15.4268, 19.3949,
15.5402

144.1510,
165.2631, 155.4623

■ 9.2077, 11.9560,
9.0485

179.0945,
204.1135, 193.9710

■ 4.9351, 6.7137,
4.6756

219.2727,
248.6202, 238.3652

■ 2.2436, 3.2837,
2.0028

265.0509,

■ 0.7656, 1.2816,

299.1675, 289.0634

0.5570

316.7944,
356.1397, 346.4843

■ 0.0000, 0.1269,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4163, 58.7356,
51.9126

■ 49.4163, 58.7356,
51.9126

■ 43.1833, 55.7335,
42.1584

■ 56.6565, 62.2293,
63.1148

■ 37.9084, 53.1940,
33.7895

■ 64.9409, 66.2275,
75.8166

■ 33.5453, 51.0961,
26.7442

■ 74.3102, 70.7518,
90.0720

■ 30.0421, 49.4147,
20.9547

■ 82.3377, 74.5755,
104.6626

■ 27.3418, 48.1218,
16.3472

■ 25.3802, 47.1862,
12.8404

■ 24.0834, 46.5716,
10.3423

■ 23.3613, 46.2339,
8.7462

■ 23.1661, 46.1428,
8.3057

Harmonies

Analogous

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



52.3716, 58.7356, 45.3943



49.4163, 58.7356, 51.9126



48.1768, 58.7356, 62.3610

Triad

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



49.4163, 58.7356, 51.9126



55.2677, 58.7356, 89.8111



63.3763, 58.7356, 54.3702

Complementary

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



49.4163, 58.7356, 51.9126



53.5651, 49.6523, 65.7949

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.



64.2457, 58.7356, 65.5721



49.4163, 58.7356, 51.9126



59.4300, 58.7356, 86.9850

Square

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



49.4163, 58.7356, 51.9126



51.4466, 58.7356, 85.0289



62.7682, 58.7356, 77.7247



60.4481, 58.7356, 46.6839

Rectangle

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



49.4163, 58.7356, 51.9126



48.4424, 58.7356, 70.5211



62.7682, 58.7356, 77.7247



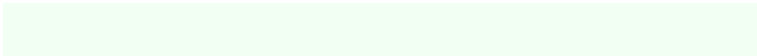
63.9251, 58.7356, 57.8061

Sweetspot

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



49.4179, 58.7381, 51.9139



88.7034, 96.9373, 99.1539



56.7869, 62.5719, 50.6803



18.8024, 20.6599, 20.9401



0.0000, 0.0000, 0.0000



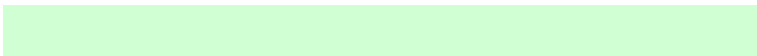
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4179, 58.7381, 51.9139



73.1187, 89.4215, 75.0045



51.1722, 59.4398, 61.1518



11.6993, 13.2235, 12.7731



14.1465, 28.1515, 5.1514



0.8064, 1.5802, 0.3690

Inverse Universe

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



53.5651, 49.6523, 65.7949



80.7928, 72.6074, 100.6892



51.6788, 48.8978, 55.8621



12.2625, 11.9897, 14.6583



21.9622, 10.6577, 31.0366



1.2419, 0.6015, 1.8084

Previews

White Background



This preview shows how the XYZ color 49.4163, 58.7356, 51.9126 looks on a white background.

Color Contrast Check

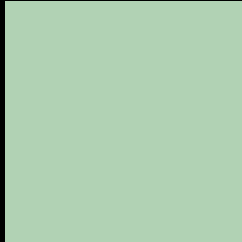
Large Text (above 18pt) WCAG AA × Fail

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 49.4163, 58.7356, 51.9126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

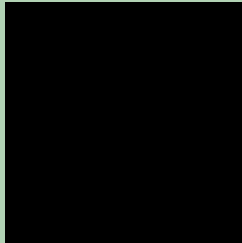
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4163, 58.7356, 51.9126

Background



This preview shows how black text looks on a background with the XYZ color 49.4163, 58.7356, 51.9126.



This preview shows how white text looks on a background with the XYZ color 49.4163, 58.7356,

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

49.4163, 58.7356, 51.9126

Protanopia

55.4885, 58.7173, 48.9665

Deuteranopia

59.5176, 58.3334, 52.9223



Tritanopia

54.4112, 58.5965, 76.8491

Trichromacy



Original Color

49.4163, 58.7356, 51.9126

Protanomaly

53.0819, 58.5022, 50.0893

Deuteranomaly

55.3923, 58.2413, 52.5782

Tritanomaly

52.2679, 58.4226, 66.9144

Monochromacy



Original Color

49.4163, 58.7356, 51.9126

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.7597, 56.9498, 57.5546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4163, 58.7356, 51.9126 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(177, 210, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 210, 180)  
}
```

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(177, 210, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 210, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.4163, 58.7356, 51.9126 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(177, 210, 180) }
```


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

```
.border{ border-color:rgb(177, 210, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 210, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 210, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 210, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 210,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4163, 58.7356, 51.9126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 210, 180) }
```

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

```
.background{ background-color: rgb(177,  
210, 180) }
```

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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