

Converting Colors

XYZ(50.8899, 59.0137, 49.6566)

Have a look what the booklet for
XYZ(50.8899, 59.0137, 49.6566)
contains.

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Color

**XYZ(51.1305, 59.3003,
49.8255)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD1B0
RGB	187, 209, 176
RGB Percent	73%, 82%, 69%
CMY	0.2667, 0.1804, 0.3098
CMYK	0.11, 0.00, 0.16, 0.18
HSL	100°, 26%, 75%
HSV	100°, 16%, 82%
XYZ	51.1305, 59.3003, 49.8255
YIQ	198.6600, -2.5190, -14.9270

Conversions

Conversions Part 2

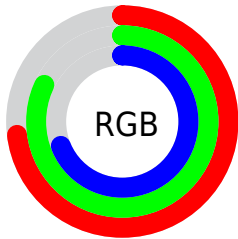
Format	Color
RYB	176, 209, 198
Decimal	12308912
CIELab	81.46, -13.42, 13.91
CIElCh	81, 19.329, 133.986
Yxy	59.3003, 0.3191, 0.3700
Android (android.graphics.Color)	4290498992 (0xFFBBD1B0)
YUV	198.6600, -11.1714, -10.2258
Hunter-Lab	77.0067, -16.2422, 15.5424

Details

The XYZ color **51.1305, 59.3003, 49.8255** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.3249, 47.6614, 66.8718**, and the grayscale version is **54.1469, 56.9668, 62.0368**.

A 20% lighter version of the original color is **87.2876, 96.4009, 90.3506**, and **25.1280, 29.9411, 23.1937** is the 20% darker color. If you saturate the color by 10%, you get **45.9749, 56.8651, 39.6078**, and if you desaturate by 10%, it is **56.9386, 62.0386, 61.7382**.

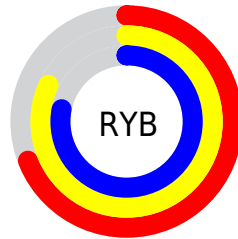
Distribution



Red (73%)

Green (82%)

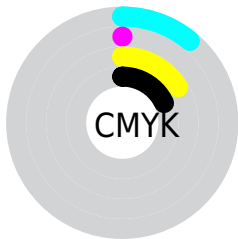
Blue (69%)



Red (69%)

Yellow (82%)

Blue (78%)

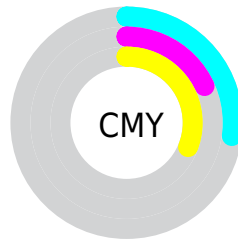


Cyan (11%)

Magenta (0%)

Yellow (16%)

Black (18%)



Cyan (27%)

Magenta (18%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1305, 59.3003, 49.8255 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 51.1305, 59.3003, 49.8255 by changing the saturation by 10% instead.

■ 51.1305, 59.3003,
49.8255

■ 51.1305, 59.3003,
49.8255

381.4499,
422.0139, 402.6987

■ 36.5339, 42.8549,
34.9046

■ 91.0295, 103.8140,
91.3099

■ 25.0189, 29.7713,
23.3064

117.0626,
132.6511, 118.7105

■ 16.2199, 19.6651,
14.6125

147.6387,
166.3875, 151.1080

■ 9.7717, 12.1518,
8.4043

183.1230,
205.4077, 188.9210

■ 5.3090, 6.8472,
4.2633

223.8809,
250.0961, 232.5680

■ 2.4663, 3.3667,
1.7708

270.2778,

■ 0.8783, 1.3260,

300.8369, 282.4676

0.4086

322.6790,
358.0147, 339.0383

■ 0.0000, 0.1612,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1305, 59.3003,
49.8255

■ 51.1305, 59.3003,
49.8255

■ 45.9749, 56.8651,
39.6078

■ 56.9386, 62.0386,
61.7382

■ 41.4430, 54.7145,
31.0044

■ 63.4169, 65.0823,
75.4140

■ 37.5111, 52.8400,
23.9336

■ 70.5886, 68.4436,
90.9221

■ 34.1518, 51.2293,
18.3053

■ 77.7239, 71.8316,
104.3761

■ 31.3354, 49.8693,
14.0198

■ 82.0916, 74.0832,
104.5805

■ 29.0292, 48.7457,
10.9647

■ 27.1962, 47.8421,
9.0093

■ 25.7927, 47.1396,
7.9921

■ 25.3029, 46.8927,
7.7176

Harmonies

Analogous

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



54.5035, 59.3003, 45.2693



51.1305, 59.3003, 49.8255



49.2104, 59.3003, 58.6137

Triad

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



51.1305, 59.3003, 49.8255



54.2438, 59.3003, 88.4419



64.2552, 59.3003, 59.3308

Complementary

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



51.1305, 59.3003, 49.8255



50.3249, 47.6614, 66.8718

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.



64.1775, 59.3003, 70.9124



51.1305, 59.3003, 49.8255



58.2646, 59.3003, 88.6939

Square

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



51.1305, 59.3003, 49.8255



50.9482, 59.3003, 81.3124



61.9412, 59.3003, 81.9645



62.1488, 59.3003, 50.2962

Rectangle

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



51.1305, 59.3003, 49.8255



48.9522, 59.3003, 66.1293



61.9412, 59.3003, 81.9645



64.4867, 59.3003, 63.0313

Sweetspot

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



51.1321, 59.3029, 49.8268



90.0061, 97.6291, 98.3019



54.3274, 57.0805, 49.2294



19.1179, 20.8275, 20.7341



0.0000, 0.0000, 0.0000



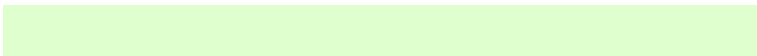
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1321, 59.3029, 49.8268



77.3060, 91.6431, 72.3579



49.0986, 58.1904, 52.6308



12.0223, 13.3949, 12.5639



15.6942, 28.9596, 4.7626



0.9610, 1.6623, 0.2702

Inverse Universe

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



50.3249, 47.6614, 66.8718



75.8006, 69.9529, 104.1149



52.6612, 48.9432, 63.4869



11.9120, 11.8035, 14.8941



13.8043, 6.2967, 37.6803



0.8541, 0.3945, 2.1107

Previews

White Background



This preview shows how the XYZ color 51.1305, 59.3003, 49.8255 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 51.1305, 59.3003, 49.8255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

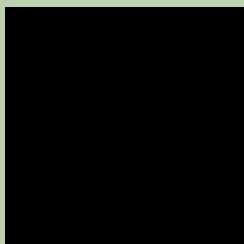
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

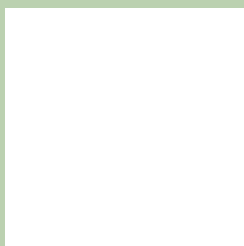
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1305, 59.3003, 49.8255

Background



This preview shows how black text looks on a background with the XYZ color 51.1305, 59.3003, 49.8255.



This preview shows how white text looks on a background with the XYZ color 51.1305, 59.3003,

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

51.1305, 59.3003, 49.8255

Protanopia

55.7183, 59.2167, 47.5230

Deuteranopia

60.2849, 59.1079, 50.8794



Tritanopia

56.3903, 59.2957, 75.4910

Trichromacy



Original Color

51.1305, 59.3003, 49.8255

Protanomaly

54.0027, 59.3763, 48.1497

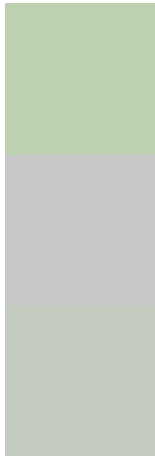
Deuteranomaly

56.4217, 58.8190, 50.4989

Tritanomaly

54.0967, 59.0508, 65.0467

Monochromacy



Original Color

51.1305, 59.3003, 49.8255

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

53.2656, 58.0756, 57.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1305, 59.3003, 49.8255 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(187, 209, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 209, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 209, 176) }
```

Border

The CSS property to change the border of an element to XYZ 51.1305, 59.3003, 49.8255 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(187, 209, 176) }
```


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

```
.border{ border-color:rgb(187, 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(187, 209, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 209, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 209, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 209,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1305, 59.3003, 49.8255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 209, 176) }
```

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

```
.background{ background-color: rgb(187,  
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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