

Converting Colors

XYZ(51.6881, 66.2230, 49.8669)

Have a look what the booklet for
XYZ(51.6881, 66.2230, 49.8669)
contains.

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Color

**XYZ(51.6309, 66.1066,
50.0830)**

Conversions

Conversions Part 1

Format	Color
Hex	ABE2AE
RGB	171, 226, 174
RGB Percent	67%, 89%, 68%
CMY	0.3294, 0.1137, 0.3176
CMYK	0.24, 0.00, 0.23, 0.11
HSL	123°, 49%, 78%
HSV	123°, 24%, 89%
XYZ	51.6309, 66.1066, 50.0830
YIQ	203.6270, -16.0880, -27.8320

Conversions

Conversions Part 2

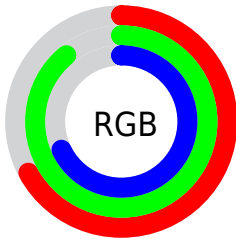
Format	Color
RYB	171, 223, 226
Decimal	11264686
CIELab	85.05, -27.59, 19.84
CIELCh	85, 33.987, 144.285
Yxy	66.1066, 0.3077, 0.3939
Android (android.graphics.Color)	4289454766 (0xFFABE2AE)
YUV	203.6270, -14.6061, -28.6139
Hunter-Lab	81.3060, -28.9344, 20.3926

Details

The XYZ color **51.6309, 66.1066, 50.0830** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.2485, 50.6237, 76.4634**, and the grayscale version is **57.2570, 60.2388, 65.6001**.

A 20% lighter version of the original color is **81.7215, 93.5641, 88.6154**, and **25.1620, 33.9118, 23.3086** is the 20% darker color. If you saturate the color by 10%, you get **45.2026, 63.0165, 39.7599**, and if you desaturate by 10%, it is **59.2358, 69.7688, 62.1937**.

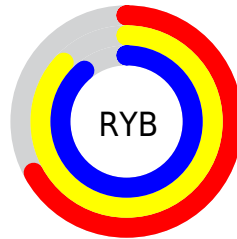
Distribution



Red (67%)

Green (89%)

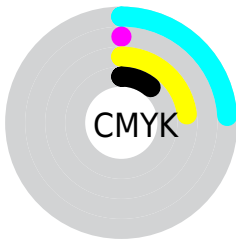
Blue (68%)



Red (67%)

Yellow (87%)

Blue (89%)

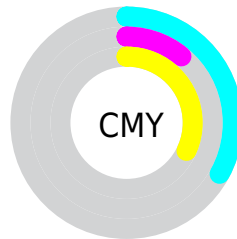


Cyan (24%)

Magenta (0%)

Yellow (23%)

Black (11%)



Cyan (33%)


Magenta (11%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6309, 66.1066, 50.0830 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 51.6309, 66.1066, 50.0830 by changing the saturation by 10% instead.


 51.6309, 66.1066,
50.0830

 51.6309, 66.1066,
50.0830


383.3574,
446.7580, 403.7348

 36.9340, 48.3589,
35.1077


 91.7641, 113.6393,
91.6954

 25.3299, 34.1112,
23.4616


117.9312,
144.1932, 119.1696

 16.4530, 22.9791,
14.7263


148.6524,
179.7845, 151.6472

 9.9382, 14.5780,
8.4830

184.2930,
220.7978, 189.5467

 5.4199, 8.5238,
4.3134

225.2185,
267.6174, 233.2867

 2.5330, 4.4319,
1.7988

271.7942,

 0.9119, 1.9180,

320.6277, 283.2857

0.4272

324.3853,
380.2131, 339.9622

0.0000, 0.5592,
0.0000

0.0000, 0.0000,
0.0000

51.6309, 66.1066,
50.0830

51.6309, 66.1066,
50.0830

45.2026, 63.0165,
39.7599

59.2358, 69.7688,
62.1937

39.8872, 60.4617,
31.1357

68.0665, 74.0211,
76.1664

35.6231, 58.4143,
24.1207

78.1756, 78.8908,
92.0765

32.3403, 56.8404,
18.6153

86.4876, 82.8753,
106.0459

■ 29.9606, 55.7020,
14.5086

■ 28.3935, 54.9553,
11.6748

■ 27.5300, 54.5471,
9.9654

■ 27.2660, 54.4226,
9.4261

Harmonies

Analogous

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



56.9753, 66.1066, 40.0055



51.6309, 66.1066, 50.0830



49.3041, 66.1066, 67.8651

Triad

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



51.6309, 66.1066, 50.0830



61.3790, 66.1066, 122.5547



77.2152, 66.1066, 56.0074

Complementary

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



51.6309, 66.1066, 50.0830



59.2485, 50.6237, 76.4634

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.



78.6332, 66.1066, 76.2556



51.6309, 66.1066, 50.0830



69.0776, 66.1066, 117.6066

Square

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



51.6309, 66.1066, 50.0830



54.6315, 66.1066, 111.8829



75.5469, 66.1066, 99.4750



71.8154, 66.1066, 42.9087

Rectangle

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



51.6309, 66.1066, 50.0830



49.6295, 66.1066, 82.8808



75.5469, 66.1066, 99.4750



78.1908, 66.1066, 62.0775

Sweetspot

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



51.6327, 66.1094, 50.0845



86.1860, 95.7307, 94.9197



65.0583, 73.0640, 49.2025



18.2921, 20.4155, 20.0714



0.0000, 0.0000, 0.0000



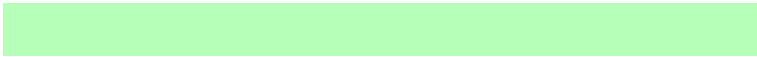
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6327, 66.1094, 50.0845



63.5937, 84.8562, 58.9728



54.5649, 67.2823, 65.5255



13.5589, 15.3493, 14.7127



15.5681, 31.0521, 5.4488



1.0899, 2.1567, 0.4347

Inverse Universe

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



59.2485, 50.6237, 76.4634



75.1812, 61.2909, 99.1062



55.8643, 49.2700, 58.6428



14.2610, 13.9220, 17.1448



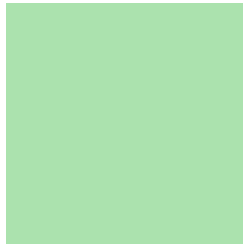
24.8084, 11.9903, 37.2522



1.7296, 0.8351, 2.6349

Previews

White Background



This preview shows how the XYZ color 51.6309, 66.1066, 50.0830 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 51.6309, 66.1066, 50.0830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

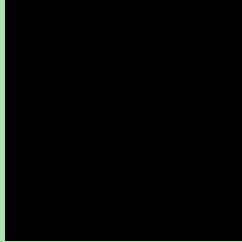
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6309, 66.1066, 50.0830

Background



This preview shows how black text looks on a background with the XYZ color 51.6309, 66.1066, 50.0830.



This preview shows how white text looks on a background with the XYZ color 51.6309, 66.1066,

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

51.6309, 66.1066, 50.0830

Protanopia

61.3207, 65.3861, 45.9481

Deuteranopia

67.0378, 65.6735, 51.7908



Tritanopia

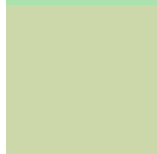
59.3582, 66.0860, 88.2246

Trichromacy



Original Color

51.6309, 66.1066, 50.0830



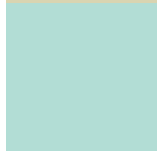
Protanomaly

56.9884, 64.9931, 47.5715



Deuteranomaly

60.0946, 65.0130, 50.9764



Tritanomaly

56.2268, 65.9820, 72.7231

Monochromacy



Original Color

51.6309, 66.1066, 50.0830



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.9074, 62.1437, 59.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6309, 66.1066, 50.0830 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(171, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(171, 226, 174)  
}
```

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(171, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 226, 174) }
```

Border

The CSS property to change the border of an element to XYZ 51.6309, 66.1066, 50.0830 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(171, 226, 174) }
```


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

```
.border{ border-color:rgb(171, 226, 174) }
```

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

Here you see how a box with a 4 pixel rgb(171, 226, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(171, 226,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6309, 66.1066, 50.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 226, 174) }
```

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

```
.background{ background-color: rgb(171,  
226, 174) }
```

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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