

Converting Colors

XYZ(50.3502, 62.9196, 51.1500)

Have a look what the booklet for
XYZ(50.3502, 62.9196, 51.1500)
contains.

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Color

**XYZ(50.3236, 63.0187,
51.1065)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDCB1
RGB	171, 220, 177
RGB Percent	67%, 86%, 69%
CMY	0.3294, 0.1372, 0.3059
CMYK	0.22, 0.00, 0.20, 0.14
HSL	127°, 41%, 77%
HSV	127°, 22%, 86%
XYZ	50.3236, 63.0187, 51.1065
YIQ	200.4470, -15.4010, -23.7610

Conversions

Conversions Part 2

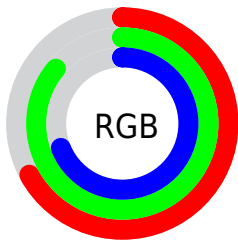
Format	Color
RYB	171, 215, 220
Decimal	11263153
CIELab	83.45, -24.18, 16.04
CIELCh	83, 29.014, 146.440
Yxy	63.0187, 0.3060, 0.3832
Android (android.graphics.Color)	4289453233 (0xFFABDCB1)
YUV	200.4470, -11.5594, -25.8250
Hunter-Lab	79.3843, -25.7672, 17.3990

Details

The XYZ color **50.3236, 63.0187, 51.1065** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.2179, 49.1979, 70.1541**, and the grayscale version is **55.2527, 58.1301, 63.3037**.

A 20% lighter version of the original color is **82.1465, 93.7341, 90.8537**, and **24.5644, 32.2171, 23.9926** is the 20% darker color. If you saturate the color by 10%, you get **44.1344, 60.0367, 41.4726**, and if you desaturate by 10%, it is **57.5861, 66.5262, 62.2145**.

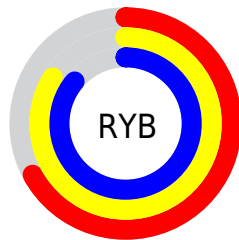
Distribution



Red (67%)

Green (86%)

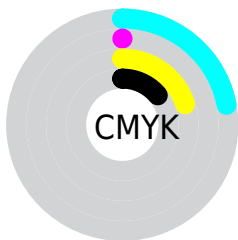
Blue (69%)



Red (67%)

Yellow (84%)

Blue (86%)

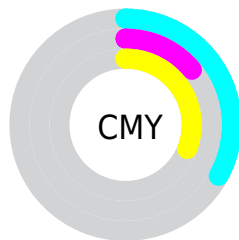


Cyan (22%)

Magenta (0%)

Yellow (20%)

Black (14%)



Cyan (33%)


Magenta (14%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3236, 63.0187, 51.1065 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 50.3236, 63.0187, 51.1065 by changing the saturation by 10% instead.


 50.3236, 63.0187,
51.1065

 50.3236, 63.0187,
51.1065


378.3612,
435.6374, 407.8358

 35.8894, 45.8563,
35.9161


 89.8431, 109.1965,
93.2253

 24.5185, 32.1325,
24.0802


115.6592,
138.9807, 120.9907

 15.8455, 21.4627,
15.1804


145.9999,
173.7410, 153.7849

 9.5051, 13.4626,
8.7980

181.2307,
213.8618, 192.0263

 5.1318, 7.7479,
4.5147

221.7168,
259.7274, 236.1336

 2.3603, 3.9341,
1.9117

267.8237,

 0.8253, 1.6367,

311.7222, 286.5253

0.5002

319.9167,
370.2308, 343.6198

■ 0.0000, 0.3822,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3236, 63.0187,
51.1065

■ 50.3236, 63.0187,
51.1065

■ 44.1344, 60.0367,
41.4726

■ 57.5861, 66.5262,
62.2145

■ 38.9626, 57.5472,
33.2469

■ 65.9643, 70.5743,
74.8504

■ 34.7549, 55.5260,
26.3647

■ 75.5044, 75.1875,
89.0706

■ 31.4511, 53.9436,
20.7544

■ 84.7603, 79.6193,
104.8577

■ 28.9842, 52.7671,
16.3382

■ 84.8845, 79.6689,
105.5115

■ 27.2778, 51.9589,
13.0294

■ 26.2409, 51.4742,
10.7296

■ 25.7916, 51.2678,
9.5696

Harmonies

Analogous

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



54.6438, 63.0187, 41.9154



50.3236, 63.0187, 51.1065



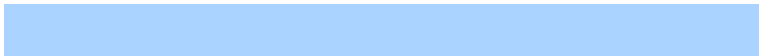
48.5604, 63.0187, 66.4763

Triad

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



50.3236, 63.0187, 51.1065



59.1453, 63.0187, 109.5818



71.4606, 63.0187, 54.2470

Complementary

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



50.3236, 63.0187, 51.1065



56.2179, 49.1979, 70.1541

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.



72.8743, 63.0187, 70.8025



50.3236, 63.0187, 51.1065



65.4774, 63.0187, 104.7683

Square

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



50.3236, 63.0187, 51.1065



53.4225, 63.0187, 101.9263



70.6144, 63.0187, 89.7290



66.8754, 63.0187, 43.4920

Rectangle

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



50.3236, 63.0187, 51.1065



48.9734, 63.0187, 78.9536



70.6144, 63.0187, 89.7290



72.3358, 63.0187, 59.2238

Sweetspot

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



50.3253, 63.0214, 51.1079



86.3648, 95.8022, 95.8615



60.7608, 68.4687, 48.5420



18.3334, 20.4320, 20.2886



0.0000, 0.0000, 0.0000



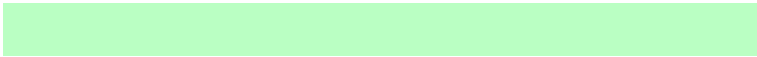
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3253, 63.0214, 51.1079



65.8492, 85.8991, 64.4914



52.9578, 64.0744, 64.9706



12.9511, 14.6321, 14.2053



15.1579, 30.0958, 5.7311



1.0039, 1.9585, 0.4865

Inverse Universe

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



56.2179, 49.1979, 70.1541



75.5526, 63.1299, 95.8505



53.3506, 48.0510, 55.0555



13.5422, 13.2460, 16.1162



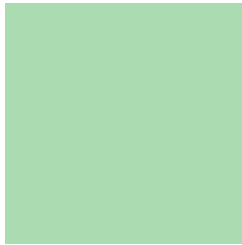
23.0033, 11.2024, 30.7270



1.5100, 0.7336, 2.0945

Previews

White Background



This preview shows how the XYZ color 50.3236, 63.0187, 51.1065 looks on a white background.

Color Contrast Check

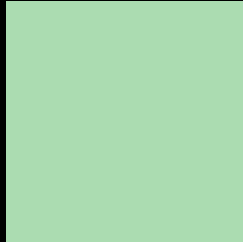
Large Text (above 18pt) WCAG AA × Fail

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 50.3236, 63.0187, 51.1065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

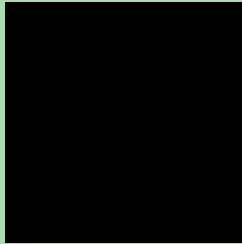
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3236, 63.0187, 51.1065

Background



This preview shows how black text looks on a background with the XYZ color 50.3236, 63.0187, 51.1065.

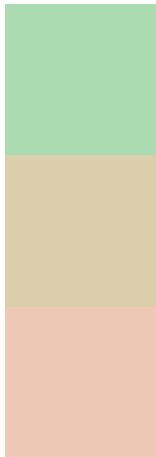


This preview shows how white text looks on a background with the XYZ color 50.3236, 63.0187,

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

50.3236, 63.0187, 51.1065

Protanopia

58.8769, 62.6260, 47.5130

Deuteranopia

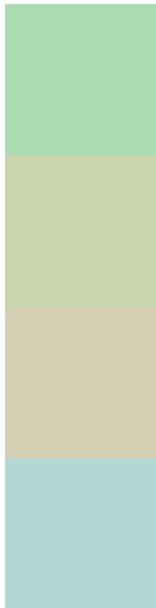
63.9198, 62.6493, 52.4396



Tritanopia

56.8996, 63.0050, 84.0252

Trichromacy



Original Color

50.3236, 63.0187, 51.1065

Protanomaly

55.4434, 62.6607, 48.7077

Deuteranomaly

57.9916, 62.0671, 52.1037

Tritanomaly

54.4452, 63.1620, 70.9499

Monochromacy



Original Color

50.3236, 63.0187, 51.1065

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.8135, 59.2502, 58.5220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3236, 63.0187, 51.1065 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, 220, 177)` looks like.

```
.text, #text, p{  
    color:rgb(171, 220, 177)  
}
```

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, 220, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 220, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.3236, 63.0187, 51.1065 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, 220, 177) }
```


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

```
.border{ border-color:rgb(171, 220, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 220, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 220, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 220, 177);  
box-shadow:4px 4px 4px 4px rgb(171, 220,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3236, 63.0187, 51.1065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 220, 177) }
```

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

```
.background{ background-color: rgb(171,  
220, 177) }
```

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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