

Converting Colors

XYZ(50.0805, 60.7512, 50.1614)

Have a look what the booklet for
XYZ(50.0805, 60.7512, 50.1614)
contains.

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Color

**XYZ(50.0145, 60.5748,
50.1304)**

Conversions

Conversions Part 1

Format	Color
Hex	B1D6B0
RGB	177, 214, 176
RGB Percent	69%, 84%, 69%
CMY	0.3059, 0.1608, 0.3098
CMYK	0.17, 0.00, 0.18, 0.16
HSL	118°, 32%, 76%
HSV	118°, 18%, 84%
XYZ	50.0145, 60.5748, 50.1304
YIQ	198.6050, -9.8540, -19.6620

Conversions

Conversions Part 2

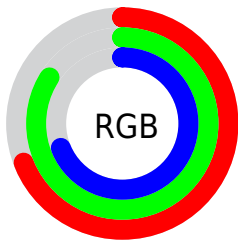
Format	Color
RYB	176, 214, 213
Decimal	11654832
CIELab	82.15, -19.39, 14.79
CIELCh	82, 24.388, 142.670
Yxy	60.5748, 0.3112, 0.3769
Android (android.graphics.Color)	4289844912 (0xFFB1D6B0)
YUV	198.6050, -11.1443, -18.9476
Hunter-Lab	77.8298, -21.4956, 16.2920

Details

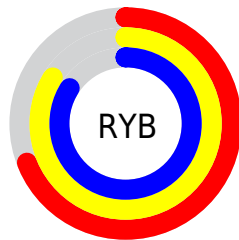
The XYZ color **50.0145, 60.5748, 50.1304** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.1060, 50.0536, 70.3783**, and the grayscale version is **54.1163, 56.9346, 62.0018**.

A 20% lighter version of the original color is **83.9298, 94.6698, 90.1935**, and **24.2855, 30.5114, 23.3482** is the 20% darker color. If you saturate the color by 10%, you get **43.6727, 57.5329, 39.6383**, and if you desaturate by 10%, it is **57.4182, 64.1290, 62.4172**.

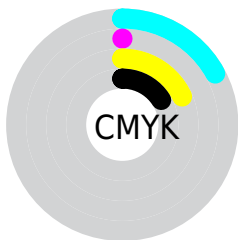
Distribution



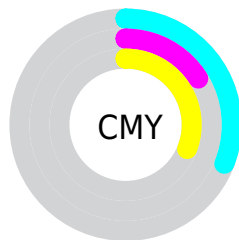
- Red (69%)
- Green (84%)
- Blue (69%)



- Red (69%)
- Yellow (84%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)



- Cyan (31%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0145, 60.5748, 50.1304 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 50.0145, 60.5748, 50.1304 by changing the saturation by 10% instead.

■ 50.0145, 60.5748,
50.1304

■ 50.0145, 60.5748,
50.1304

377.1737,
426.7132, 403.9253

■ 35.6428, 43.8821,
35.1451

■ 89.3881, 105.6630,
91.7663

■ 24.3273, 30.5778,
23.4902

115.1206,
134.8274, 119.2541

■ 15.7026, 20.2776,
14.7472

145.3708,
168.9177, 151.7464

■ 9.4035, 12.5970,
8.4975

180.5039,
208.3184, 189.6618

■ 5.0645, 7.1516,
4.3226

220.8854,
253.4140, 233.4189

■ 2.3203, 3.5571,
1.8039

266.8807,

■ 0.8050, 1.4290,

304.5887, 283.4361

0.4306

318.8550,
362.2270, 340.1321

■ 0.0000, 0.2380,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0145, 60.5748,
50.1304

■ 50.0145, 60.5748,
50.1304

■ 43.6727, 57.5329,
39.6383

■ 57.4182, 64.1290,
62.4172

■ 38.3395, 54.9724,
30.8532

■ 65.9242, 68.2095,
76.5730

■ 33.9644, 52.8711,
23.6861

■ 75.5766, 72.8392,
92.6725

■ 30.4906, 51.2017,
18.0383

■ 83.3377, 76.5755,
104.9959

■ 27.8554, 49.9343,
13.8003

■ 25.9879, 49.0350,
10.8481

■ 24.8056, 48.4644,
9.0361

■ 24.2029, 48.1724,
8.1604

■ 24.1182, 48.1318,
8.0192

Harmonies

Analogous

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



53.8215, 60.5748, 42.9866



50.0145, 60.5748, 50.1304



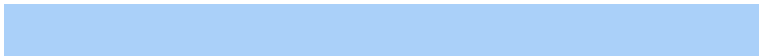
48.2527, 60.5748, 62.3838

Triad

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



50.0145, 60.5748, 50.1304



56.3135, 60.5748, 98.4744



67.2597, 60.5748, 55.5641

Complementary

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



50.0145, 60.5748, 50.1304



55.1060, 50.0536, 70.3783

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.



68.0256, 60.5748, 69.6613



50.0145, 60.5748, 50.1304



61.4981, 60.5748, 95.9232

Square

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



50.0145, 60.5748, 50.1304



51.7451, 60.5748, 91.3282



65.8604, 60.5748, 84.8035



63.8261, 60.5748, 45.7800

Rectangle

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



50.0145, 60.5748, 50.1304



48.3961, 60.5748, 72.4100



65.8604, 60.5748, 84.8035



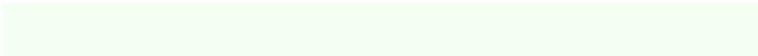
67.8458, 60.5748, 59.8967

Sweetspot

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



50.0161, 60.5774, 50.1317



88.6438, 96.9268, 98.2381



59.2979, 64.8882, 50.4746



18.7880, 20.6574, 20.7186



0.0000, 0.0000, 0.0000



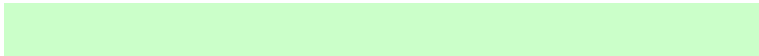
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0161, 60.5774, 50.1317



70.9456, 88.4349, 68.8667



51.6607, 61.2090, 59.9756



12.2923, 13.9114, 13.1980



14.5908, 29.0982, 4.8475



0.8909, 1.7607, 0.2929

Inverse Universe

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



55.1060, 50.0536, 70.3783



79.7655, 70.1973, 103.9531



53.2532, 49.3461, 59.1038



12.9192, 12.6153, 15.6916



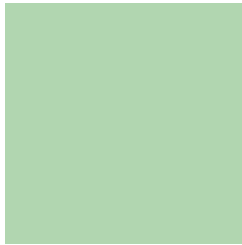
23.1373, 11.0802, 39.3724



1.4060, 0.6737, 2.3752

Previews

White Background



This preview shows how the XYZ color 50.0145, 60.5748, 50.1304 looks on a white background.

Color Contrast Check

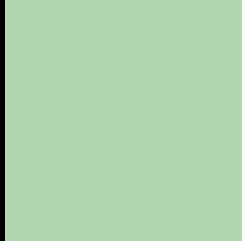
Large Text (above 18pt) WCAG AA × Fail

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 50.0145, 60.5748, 50.1304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

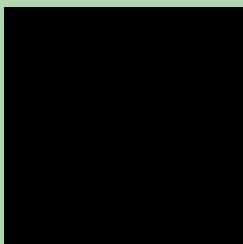
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

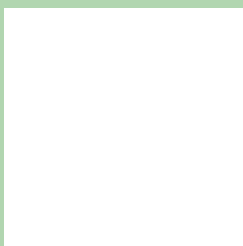
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0145, 60.5748, 50.1304

Background



This preview shows how black text looks on a background with the XYZ color 50.0145, 60.5748, 50.1304.

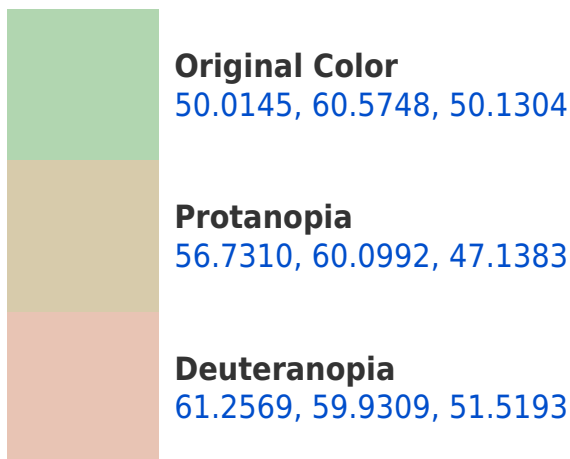


This preview shows how white text looks on a background with the XYZ color 50.0145, 60.5748,

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

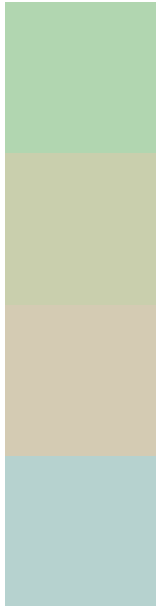




Tritanopia

55.7750, 60.3218, 79.2246

Trichromacy



Original Color

50.0145, 60.5748, 50.1304

Protanomaly

53.9430, 60.0603, 48.2849

Deuteranomaly

56.6440, 59.9636, 51.2365

Tritanomaly

53.6005, 60.5433, 67.8925

Monochromacy



Original Color

50.0145, 60.5748, 50.1304

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.4827, 58.0237, 57.7238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0145, 60.5748, 50.1304 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, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(177, 214, 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(177, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 214, 176) }
```

Border

The CSS property to change the border of an element to XYZ 50.0145, 60.5748, 50.1304 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, 214, 176) }
```


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

```
.border{ border-color:rgb(177, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(177, 214,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0145, 60.5748, 50.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 214, 176) }
```

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

```
.background{ background-color: rgb(177,  
214, 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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