

Converting Colors

XYZ(50.9915, 62.9767, 51.0558)

Have a look what the booklet for
XYZ(50.9915, 62.9767, 51.0558)
contains.

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Color

**XYZ(50.9465, 62.9513,
51.0606)**

Conversions

Conversions Part 1

Format	Color
Hex	AFDBB1
RGB	175, 219, 177
RGB Percent	69%, 86%, 69%
CMY	0.3137, 0.1412, 0.3059
CMYK	0.20, 0.00, 0.19, 0.14
HSL	123°, 38%, 77%
HSV	123°, 20%, 86%
XYZ	50.9465, 62.9513, 51.0606
YIQ	201.0560, -12.7420, -22.3900

Conversions

Conversions Part 2

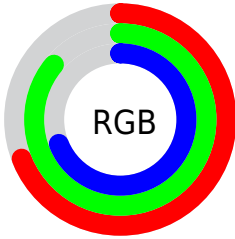
Format	Color
RYB	175, 217, 219
Decimal	11525041
CIELab	83.42, -22.36, 16.02
CIElCh	83, 27.511, 144.375
Yxy	62.9513, 0.3088, 0.3816
Android (android.graphics.Color)	4289715121 (0xFFAFDBB1)
YUV	201.0560, -11.8596, -22.8511
Hunter-Lab	79.3419, -24.2309, 17.3831

Details

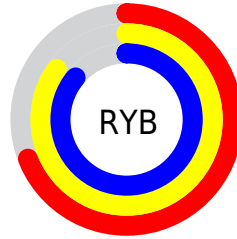
The XYZ color **50.9465, 62.9513, 51.0606** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.0699, 50.7312, 72.4326**, and the grayscale version is **55.6303, 58.5274, 63.7364**.

A 20% lighter version of the original color is **83.4230, 94.3921, 90.9134**, and **24.9396, 32.1437, 23.9587** is the 20% darker color. If you saturate the color by 10%, you get **44.4976, 59.8512, 40.7028**, and if you desaturate by 10%, it is **58.5152, 66.5954, 63.1397**.

Distribution



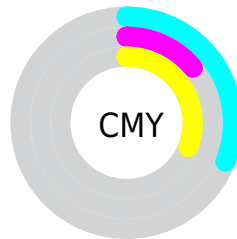
- Red (69%)
- Green (86%)
- Blue (69%)



- Red (69%)
- Yellow (85%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9465, 62.9513, 51.0606 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 50.9465, 62.9513, 51.0606 by changing the saturation by 10% instead.


 50.9465, 62.9513,
51.0606

 50.9465, 62.9513,
51.0606

380.7470,
435.3927, 407.6525

 36.3869, 45.8018,
35.8798


 90.7591, 109.0992,
93.1568

 24.9046, 32.0895,
24.0524


116.7429,
138.8665, 120.9092

 16.1344, 21.4298,
15.1599


147.2654,
173.6085, 153.6892

 9.7107, 13.4386,
8.7838

182.6921,
213.7095, 191.9154

 5.2684, 7.7312,
4.5056

223.3882,
259.5541, 236.0063

 2.4419, 3.9235,
1.9066

269.7192,

 0.8661, 1.6308,

311.5265, 286.3804

0.4969

322.0503,
370.0113, 343.4563

0.0000, 0.3783,
0.0000

0.0000, 0.0000,
0.0000

50.9465, 62.9513,
51.0606

50.9465, 62.9513,
51.0606

44.4976, 59.8512,
40.7028

58.5152, 66.5954,
63.1397

39.1106, 57.2615,
31.9839

67.2480, 70.7994,
77.0090

34.7300, 55.1572,
24.8215

77.1929, 75.5884,
92.7386

31.2934, 53.5081,
19.1238

84.6227, 79.1455,
105.4242

■ 28.7312, 52.2805,
14.7898

■ 26.9645, 51.4362,
11.7057

■ 25.9000, 50.9298,
9.7389

■ 25.3873, 50.6873,
8.7315

Harmonies

Analogous

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



55.2022, 62.9513, 42.6622



50.9465, 62.9513, 51.0606



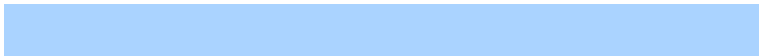
49.0821, 62.9513, 65.3589

Triad

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



50.9465, 62.9513, 51.0606



58.7109, 62.9513, 106.9134



70.9558, 62.9513, 55.8048

Complementary

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



50.9465, 62.9513, 51.0606



57.0699, 50.7312, 72.4326

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.



72.0500, 62.9513, 71.8294



50.9465, 62.9513, 51.0606



64.7164, 62.9513, 103.2140

Square

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



50.9465, 62.9513, 51.0606



53.3688, 62.9513, 99.0221



69.6978, 62.9513, 89.6203



66.7999, 62.9513, 45.0641

Rectangle

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



50.9465, 62.9513, 51.0606



49.3501, 62.9513, 77.0677



69.6978, 62.9513, 89.6203



71.7050, 62.9513, 60.6718

Sweetspot

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



50.9482, 62.9540, 51.0620



87.3804, 96.3076, 96.7303



61.8462, 68.5950, 50.5385



18.5323, 20.5316, 20.4330



0.0000, 0.0000, 0.0000



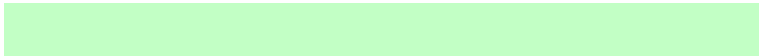
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9482, 62.9540, 51.0620



67.9871, 86.9750, 65.7774



53.2595, 63.8785, 63.2333



12.9104, 14.6158, 13.9911



15.0636, 30.0581, 5.2342



0.9845, 1.9508, 0.3846

Inverse Universe

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



57.0699, 50.7312, 72.4326



78.0925, 66.7967, 101.0534



54.4561, 49.6856, 58.6683



13.5875, 13.2641, 16.3549



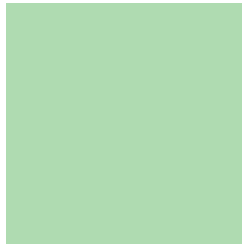
24.1608, 11.6654, 36.8224



1.5733, 0.7590, 2.4281

Previews

White Background



This preview shows how the XYZ color 50.9465, 62.9513, 51.0606 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 50.9465, 62.9513, 51.0606 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 50.9465, 62.9513, 51.0606

Background



This preview shows how black text looks on a background with the XYZ color 50.9465, 62.9513, 51.0606.

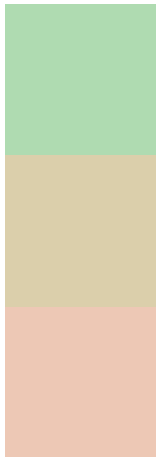


This preview shows how white text looks on a background with the XYZ color 50.9465, 62.9513,

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

50.9465, 62.9513, 51.0606

Protanopia

58.8769, 62.6260, 47.5130

Deuteranopia

63.9198, 62.6493, 52.4396



Tritanopia

57.4535, 62.9345, 83.2482

Trichromacy



Original Color

50.9465, 62.9513, 51.0606

Protanomaly

55.4657, 62.3022, 48.6373

Deuteranomaly

58.2826, 62.2171, 52.1173

Tritanomaly

54.9894, 63.0778, 70.2497

Monochromacy



Original Color

50.9465, 62.9513, 51.0606

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.8085, 60.1240, 58.6382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9465, 62.9513, 51.0606 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(175, 219, 177)` looks like.

```
.text, #text, p{  
    color:rgb(175, 219, 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(175, 219, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.9465, 62.9513, 51.0606 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(175, 219, 177) }
```


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

```
.border{ border-color:rgb(175, 219, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 219, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 219, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 219, 177);  
box-shadow:4px 4px 4px 4px rgb(175, 219,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9465, 62.9513, 51.0606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 219, 177) }
```

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

```
.background{ background-color: rgb(175,  
219, 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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