

# Converting Colors

XYZ(51.2184, 63.1990, 51.5823)

Have a look what the booklet for  
XYZ(51.2184, 63.1990, 51.5823)  
contains.

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# Color

**XYZ(51.0466, 62.9913,  
51.5876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFDBB2
RGB	175, 219, 178
RGB Percent	69%, 86%, 70%
CMY	0.3137, 0.1412, 0.3020
CMYK	0.20, 0.00, 0.19, 0.14
HSL	124°, 38%, 77%
HSV	124°, 20%, 86%
XYZ	51.0466, 62.9913, 51.5876
YIQ	201.1700, -13.0630, -22.0790

# Conversions

## Conversions Part 2

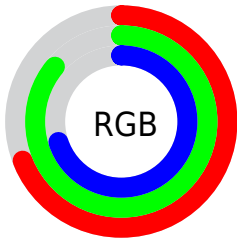
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 216, 219</a>
Decimal	<a href="#">11525042</a>
CIELab	<a href="#">83.44, -22.19, 15.53</a>
CIELCh	<a href="#">83, 27.081, 145.013</a>
Yxy	<a href="#">62.9913, 0.3082, 0.3803</a>
Android (android.graphics.Color)	<a href="#">4289715122 (0xFFAFDBB2)</a>
YUV	<a href="#">201.1700, -11.4228, -22.9511</a>
Hunter-Lab	<a href="#">79.3671, -24.0863, 17.0192</a>

# Details

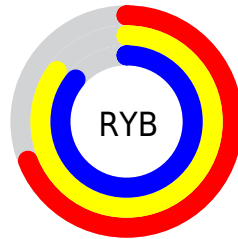
The XYZ color **51.0466, 62.9913, 51.5876** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9402, 50.6793, 71.7495**, and the grayscale version is **55.6986, 58.5992, 63.8146**.

A 20% lighter version of the original color is **83.5663, 94.4494, 91.6681**, and **25.0032, 32.1692, 24.2935** is the 20% darker color. If you saturate the color by 10%, you get **44.6254, 59.9022, 41.3755**, and if you desaturate by 10%, it is **58.5733, 66.6186, 63.4453**.

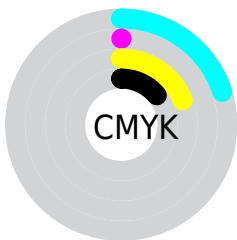
# Distribution



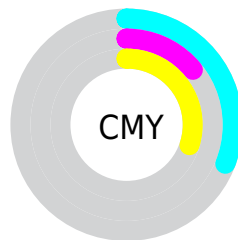
- Red (69%)
- Green (86%)
- Blue (70%)



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



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




- Cyan (31%)
- Magenta (14%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0466, 62.9913, 51.5876 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 51.0466, 62.9913, 51.5876 by changing the saturation by 10% instead.




 51.0466, 62.9913,  
51.5876

 51.0466, 62.9913,  
51.5876


381.1295,  
435.5379, 409.7540

 36.4669, 45.8342,  
36.2965


 90.9062, 109.1570,  
93.9431

 24.9668, 32.1150,  
24.3718


116.9169,  
138.9343, 121.8446

 16.1809, 21.4493,  
15.3949


147.4685,  
173.6871, 154.7867

 9.7439, 13.4528,  
8.9473

182.9265,  
213.7999, 193.1878

 5.2905, 7.7411,  
4.6105

223.6563,  
259.6569, 237.4666

 2.4552, 3.9297,  
1.9659

270.0231,

 0.8727, 1.6343,

311.6427, 288.0415

0.5342

322.3924,  
370.1416, 345.3311

0.0000, 0.3806,  
0.0000

0.0000, 0.0000,  
0.0000

51.0466, 62.9913,  
51.5876

51.0466, 62.9913,  
51.5876

44.6254, 59.9022,  
41.3755

58.5733, 66.6186,  
63.4453

39.2527, 57.3183,  
32.7322

67.2487, 70.7996,  
77.0123

34.8744, 55.2149,  
25.5815

77.1199, 75.5591,  
92.3541

31.4292, 53.5624,  
19.8388

84.6227, 79.1454,  
105.4242

■ 28.8492, 52.3277,  
15.4111

■ 27.0573, 51.4733,  
12.1944

■ 25.9626, 50.9548,  
10.0689

■ 25.4185, 50.6997,  
8.8958

# Harmonies

## Analogous

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



55.1999, 62.9913, 43.1483



51.0466, 62.9913, 51.5876



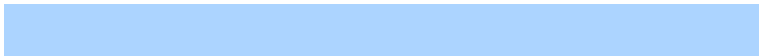
49.2624, 62.9913, 65.8000

# Triad

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



51.0466, 62.9913, 51.5876



58.8902, 62.9913, 106.3278



70.7557, 62.9913, 55.7418

# Complementary

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



51.0466, 62.9913, 51.5876



56.9402, 50.6793, 71.7495

# 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.



71.9036, 62.9913, 71.4512



51.0466, 62.9913, 51.5876



64.7991, 62.9913, 102.4575

# Square

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



51.0466, 62.9913, 51.5876



53.5970, 62.9913, 98.8095



69.6587, 62.9913, 88.9619



66.6172, 62.9913, 45.2562



# Rectangle

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



51.0466, 62.9913, 51.5876



49.5654, 62.9913, 77.3551



69.6587, 62.9913, 88.9619



71.5152, 62.9913, 60.5075

# Sweetspot

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



51.0483, 62.9940, 51.5890



87.4323, 96.3283, 97.0032



61.4106, 68.3704, 50.5183



18.5445, 20.5365, 20.4972



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

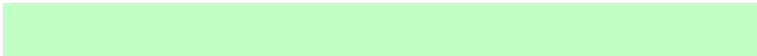


# Same Dimension

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



51.0483, 62.9940, 51.5890



68.1468, 87.0389, 66.6183



53.4301, 63.9467, 64.1316



12.9224, 14.6206, 14.0541



15.0857, 30.0669, 5.3506



0.9902, 1.9530, 0.4147



# Inverse Universe

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



56.9402, 50.6793, 71.7495



77.8726, 66.7087, 99.8955



54.2904, 49.6194, 57.7959



13.5741, 13.2587, 16.2842



23.8061, 11.5235, 34.9548



1.5541, 0.7513, 2.3266



# Previews

## White Background



This preview shows how the XYZ color 51.0466, 62.9913, 51.5876 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 51.0466, 62.9913, 51.5876 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 51.0466, 62.9913, 51.5876

## Background



This preview shows how black text looks on a background with the XYZ color 51.0466, 62.9913, 51.5876.



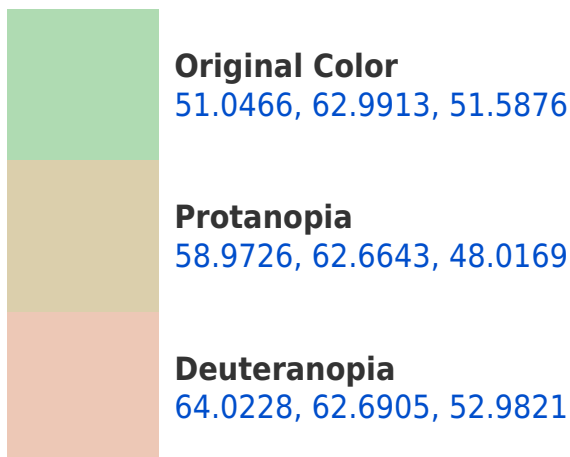
This preview shows how white text looks on a background with the XYZ color 51.0466, 62.9913,

51.5876.

# 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

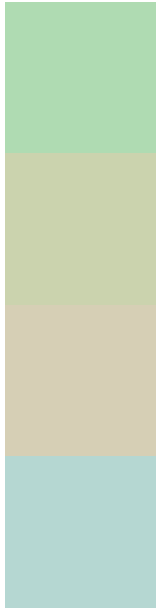




## **Tritanopia**

57.4535, 62.9345, 83.2482

# Trichromacy



## Original Color

51.0466, 62.9913, 51.5876

## Protanomaly

55.5628, 62.3410, 49.1489

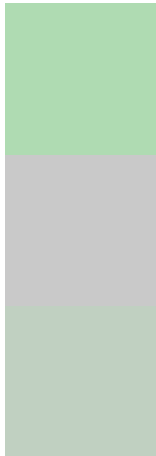
## Deuteranomaly

58.3849, 62.2580, 52.6558

## Tritanomaly

54.9894, 63.0778, 70.2497

# Monochromacy



## Original Color

51.0466, 62.9913, 51.5876

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

53.9197, 60.1685, 59.2239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0466, 62.9913, 51.5876 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(175, 219, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0466, 62.9913, 51.5876 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, 178) }
```



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

```
.border{ border-color:rgb(175, 219, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 219, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 219, 178);  
box-shadow:4px 4px 4px 4px rgb(175, 219,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0466, 62.9913, 51.5876 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, 178) }
```

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

```
.background{ background-color: rgb(175,  
219, 178) }
```

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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