

# Converting Colors

XYZ(50.4894, 60.7194, 58.1619)

Have a look what the booklet for  
XYZ(50.4894, 60.7194, 58.1619)  
contains.

<b>XYZ(50.4638, 60.6254, 58.3324)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(50.4638, 60.6254,  
58.3324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD6BF
RGB	172, 214, 191
RGB Percent	67%, 84%, 75%
CMY	0.3255, 0.1608, 0.2510
CMYK	0.20, 0.00, 0.11, 0.16
HSL	147°, 34%, 76%
HSV	147°, 20%, 84%
XYZ	50.4638, 60.6254, 58.3324
YIQ	198.8200, -17.6490, -16.0570

# Conversions

## Conversions Part 2

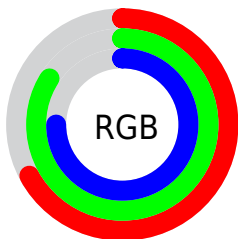
Format	Color
<a href="#">RYB</a>	<a href="#">172, 201, 214</a>
Decimal	<a href="#">11327167</a>
CIELab	<a href="#">82.18, -18.31, 6.84</a>
CIElCh	<a href="#">82, 19.540, 159.523</a>
Yxy	<a href="#">60.6254, 0.2979, 0.3578</a>
Android (android.graphics.Color)	<a href="#">4289517247 (0xFFACD6BF)</a>
YUV	<a href="#">198.8200, -3.8553, -23.5211</a>
Hunter-Lab	<a href="#">77.8623, -20.5704, 10.0851</a>

# Details

The XYZ color **50.4638, 60.6254, 58.3324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3365, 47.7428, 58.0892**, and the grayscale version is **54.2080, 57.0310, 62.1068**.

A 20% lighter version of the original color is **84.5434, 94.7294, 101.8244**, and **24.5933, 30.5532, 28.6459** is the 20% darker color. If you saturate the color by 10%, you get **44.9015, 57.9027, 51.6072**, and if you desaturate by 10%, it is **56.8890, 63.7843, 65.6394**.

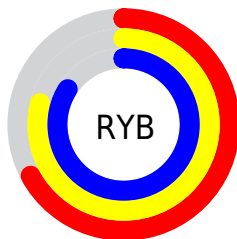
# Distribution



Red (67%)

Green (84%)

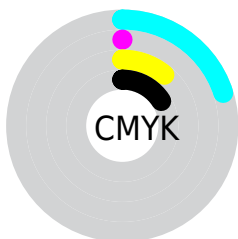
Blue (75%)



Red (67%)

Yellow (79%)

Blue (84%)

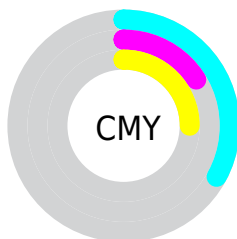


Cyan (20%)

Magenta (0%)

Yellow (11%)

Black (16%)



Cyan (33%)

Magenta (16%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4638, 60.6254, 58.3324 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 50.4638, 60.6254, 58.3324 by changing the saturation by 10% instead.





 50.4638, 60.6254,  
58.3324

 50.4638, 60.6254,  
58.3324


378.8990,  
426.8992, 436.0562

 36.0014, 43.9229,  
41.6595


 90.0494, 105.7364,  
103.9263

 24.6054, 30.6099,  
28.5112


115.9033,  
134.9136, 133.6844

 15.9104, 20.3020,  
18.4689


146.2850,  
169.0179, 168.6412

 9.5512, 12.6148,  
11.1143

181.5600,  
208.4337, 209.2154

 5.1624, 7.1638,  
6.0286

222.0935,  
253.5453, 255.8254

 2.3786, 3.5648,  
2.7934

268.2509,

 0.8344, 1.4332,

304.7372, 308.8899

0.9901

320.3976,  
362.3937, 368.8273

■ 0.0000, 0.2410,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.4638, 60.6254,  
58.3324

■ 50.4638, 60.6254,  
58.3324

■ 44.9015, 57.9027,  
51.6072

■ 56.8890, 63.7843,  
65.6394

■ 40.1586, 55.5891,  
45.4453

■ 64.2082, 67.3903,  
73.5379

■ 36.1952, 53.6660,  
39.8333

■ 72.4569, 71.4629,  
82.0425

■ 32.9658, 52.1103,  
34.7553

■ 80.7029, 75.5215,  
91.1212

■ 30.4201, 50.8962,  
30.1950

■ 82.4806, 76.2326,  
100.4822

■ 28.5010, 49.9948,  
26.1350

■ 83.3377, 76.5754,  
104.9959

■ 27.1413, 49.3716,  
22.5565

■ 26.2267, 48.9682,  
19.4381

■ 26.1963, 48.9549,  
19.3303

# Harmonies

## Analogous

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



52.6908, 60.6254, 49.9010



50.4638, 60.6254, 58.3324



50.1037, 60.6254, 69.8656

# Triad

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



50.4638, 60.6254, 58.3324



58.9533, 60.6254, 91.2194



64.0015, 60.6254, 52.5055

# Complementary

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



50.4638, 60.6254, 58.3324



52.3365, 47.7428, 58.0892

# 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.



65.8585, 60.6254, 62.3004



50.4638, 60.6254, 58.3324



62.8530, 60.6254, 85.2607

# Square

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



50.4638, 60.6254, 58.3324



54.8752, 60.6254, 89.8254



65.4284, 60.6254, 74.3350



60.4603, 60.6254, 46.8278



# Rectangle

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



50.4638, 60.6254, 58.3324



50.9524, 60.6254, 77.9284



65.4284, 60.6254, 74.3350



64.8510, 60.6254, 55.3746

# Sweetspot

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



50.4655, 60.6279, 58.3337



88.3235, 96.6848, 101.6962



54.0266, 62.6899, 48.2834



18.7546, 20.6205, 21.6036



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

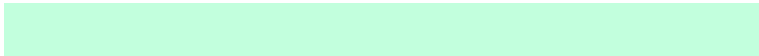


# Same Dimension

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



50.4655, 60.6279, 58.3337



71.0726, 88.2092, 82.0253



52.9329, 61.6149, 71.3272



12.4936, 13.9885, 14.4139



15.8842, 29.6090, 11.9519



0.9995, 1.8024, 0.9390



# Inverse Universe

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



52.3365, 47.7428, 58.0892



74.3961, 65.3181, 81.5885



50.1356, 46.8624, 46.4993



12.7049, 12.5335, 14.3864



18.7629, 9.4415, 11.3212

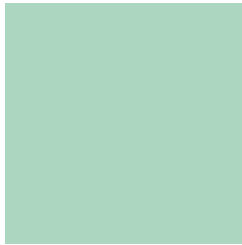


1.1732, 0.5861, 0.9014



# Previews

## White Background



This preview shows how the XYZ color 50.4638, 60.6254, 58.3324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

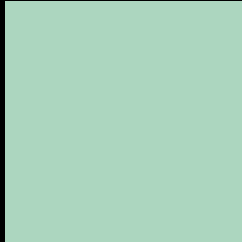
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4638, 60.6254, 58.3324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

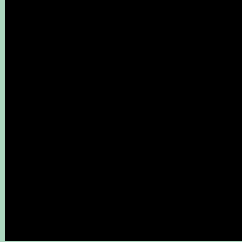
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

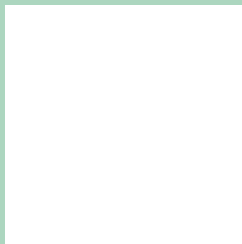
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.4638, 60.6254, 58.3324

## Background



This preview shows how black text looks on a background with the XYZ color 50.4638, 60.6254, 58.3324.



This preview shows how white text looks on a background with the XYZ color 50.4638, 60.6254,



# 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

50.4638, 60.6254, 58.3324

### Protanopia

57.2643, 60.2117, 54.5028

### Deuteranopia

61.4951, 60.2035, 60.0091



## Tritanopia

54.8880, 60.5569, 80.7472

# Trichromacy



## Original Color

50.4638, 60.6254, 58.3324

## Protanomaly

54.3084, 60.0838, 55.7487

## Deuteranomaly

56.8257, 59.8723, 59.6004

## Tritanomaly

53.2090, 60.6227, 71.8477

# Monochromacy



## Original Color

50.4638, 60.6254, 58.3324

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

52.5429, 57.9901, 60.6484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4638, 60.6254, 58.3324 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(172, 214, 191)` looks like.

```
.text, #text, p{  
    color:rgb(172, 214, 191)  
}
```

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(172, 214, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 214, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4638, 60.6254, 58.3324 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(172, 214, 191) }
```



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

```
.border{ border-color:rgb(172, 214, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 214, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 214, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 214, 191);  
box-shadow:4px 4px 4px 4px rgb(172, 214,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4638, 60.6254, 58.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 214, 191) }
```

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

```
.background{ background-color: rgb(172,  
214, 191) }
```

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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