

# Converting Colors

XYZ(50.4351, 62.0893, 68.5279)

Have a look what the booklet for  
XYZ(50.4351, 62.0893, 68.5279)  
contains.

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# Color

**XYZ(50.2385, 61.8159,  
68.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDACF
RGB	157, 218, 207
RGB Percent	62%, 85%, 81%
CMY	0.3843, 0.1451, 0.1882
CMYK	0.28, 0.00, 0.05, 0.15
HSL	169°, 45%, 74%
HSV	169°, 28%, 85%
XYZ	50.2385, 61.8159, 68.3153
YIQ	198.5070, -32.8250, -16.3530

# Conversions

## Conversions Part 2

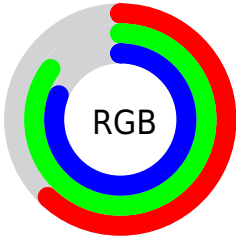
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 191, 218
Decimal	10345167
CIELab	82.82, -21.66, -0.85
CIELCh	83, 21.677, 182.238
Yxy	61.8159, 0.2785, 0.3427
Android (android.graphics.Color)	4288535247 (0xFF9DDACF)
YUV	198.5070, 4.1870, -36.4016
Hunter-Lab	78.6231, -23.5327, 3.5193

# Details

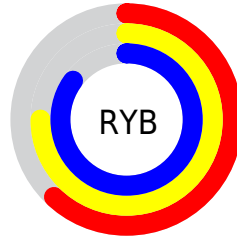
The XYZ color **50.2385, 61.8159, 68.3153** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0404, 41.8482, 42.5937**, and the grayscale version is **53.9761, 56.7870, 61.8411**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **24.5559, 31.4373, 34.9108** is the 20% darker color. If you saturate the color by 10%, you get **45.8845, 59.6278, 65.6343**, and if you desaturate by 10%, it is **55.3669, 64.4051, 71.0977**.

# Distribution



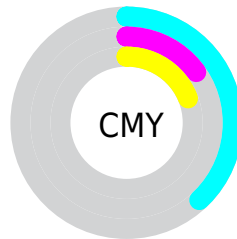
- Red (62%)
- Green (85%)
- Blue (81%)



- Red (62%)
- Yellow (75%)
- Blue (85%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (38%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2385, 61.8159, 68.3153 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 50.2385, 61.8159, 68.3153 by changing the saturation by 10% instead.



■ 50.2385, 61.8159,  
68.3153

■ 50.2385, 61.8159,  
68.3153

378.0345,  
431.2592, 473.2407

■ 35.8215, 44.8840,  
49.6860

■ 89.7179, 107.4594,  
118.4616

■ 24.4658, 31.3660,  
34.7945

■ 115.5109,  
136.9398, 150.8156

■ 15.8061, 20.8777,  
23.2224

145.8268,  
171.3717, 188.5816

■ 9.4771, 13.0347,  
14.5509

181.0307,  
211.1397, 232.1782

■ 5.1132, 7.4524,  
8.3617

221.4881,  
256.6280, 282.0239

■ 2.3493, 3.7466,  
4.2362

267.5643,

■ 0.8197, 1.5329,

308.2211, 338.5371

1.7558

319.6246,  
366.3034, 402.1366

■ 0.0000, 0.3117,  
0.3986

■ 0.0000, 0.0000,  
0.0000

■ 50.2385, 61.8159,  
68.3153

■ 50.2385, 61.8159,  
68.3153

■ 45.8845, 59.6278,  
65.6343

■ 55.3669, 64.4051,  
71.0977

■ 42.2591, 57.8123,  
63.0482

■ 61.3018, 67.4070,  
73.9794


■ 39.3200, 56.3493,  
60.5557


■ 68.0801, 70.8422,  
76.9640


■ 37.0180, 55.2133,  
58.1543


■ 75.7344, 74.7278,  
80.0535


 35.2977, 54.3759,  
55.8407


 80.1310, 76.9324,  
83.0547


 34.0935, 53.8032,  
53.6116


 80.6790, 77.1516,  
85.9404

 33.3126, 53.4474,  
51.4619

 81.2395, 77.3758,  
88.8919

 33.1772, 53.3869,  
51.0364

 81.8125, 77.6050,  
91.9094

 82.3982, 77.8393,  
94.9935

# Harmonies

## Analogous

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



51.1683, 61.8159, 56.0353



50.2385, 61.8159, 68.3153



51.4884, 61.8159, 81.9629

# Triad

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



50.2385, 61.8159, 68.3153



63.6705, 61.8159, 91.4601



63.0325, 61.8159, 47.0366

# Complementary

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



50.2385, 61.8159, 68.3153



48.0404, 41.8482, 42.5937

# 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.



66.6732, 61.8159, 54.5114



50.2385, 61.8159, 68.3153



67.0550, 61.8159, 79.9972

# Square

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



50.2385, 61.8159, 68.3153



59.1052, 61.8159, 96.3807



68.1815, 61.8159, 66.3087



58.4045, 61.8159, 44.7609



# Rectangle

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



50.2385, 61.8159, 68.3153



53.4301, 61.8159, 89.7290



68.1815, 61.8159, 66.3087



64.4206, 61.8159, 48.9710

# Sweetspot

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



50.2403, 61.8184, 68.3167



87.3522, 96.0994, 105.4770



47.3466, 60.9247, 41.1635



18.4060, 20.4219, 22.4409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

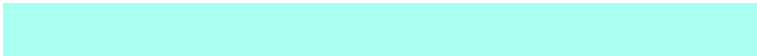


# Same Dimension

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



50.2403, 61.8184, 68.3167



67.6060, 86.1312, 95.0040



46.9120, 52.9335, 74.0772



13.3388, 14.7872, 16.2473



19.9122, 31.9975, 30.7669



1.3169, 2.0837, 2.1346



# Inverse Universe

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



48.0404, 41.8482, 42.5937



63.9433, 52.8342, 52.1410



50.5888, 48.5166, 38.5977



13.1515, 13.0897, 14.0589



17.5731, 9.0303, 2.1323

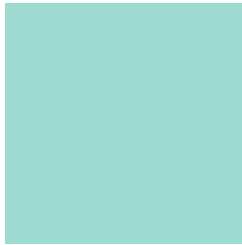


1.1676, 0.5967, 0.2914



# Previews

## White Background



This preview shows how the XYZ color 50.2385, 61.8159, 68.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

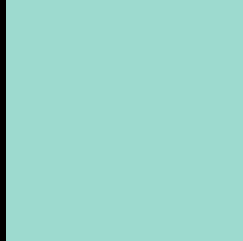
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.2385, 61.8159, 68.3153 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

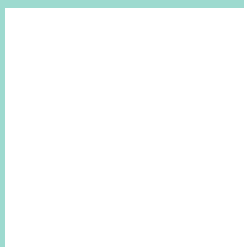
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.2385, 61.8159, 68.3153**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.2385, 61.8159, 68.3153.



This preview shows how white text looks on a background with the XYZ color 50.2385, 61.8159,



# 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

50.2385, 61.8159, 68.3153

### Protanopia

58.7185, 61.4878, 62.8064

### Deuteranopia

62.6127, 61.2380, 70.1481



## Tritanopia

53.5123, 61.6007, 85.4137

# Trichromacy



## Original Color

50.2385, 61.8159, 68.3153

## Protanomaly

55.1931, 61.4338, 64.8260

## Deuteranomaly

57.2574, 60.9379, 69.7172

## Tritanomaly

52.1169, 61.4022, 78.9170

# Monochromacy



## Original Color

50.2385, 61.8159, 68.3153

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

52.4991, 58.5972, 64.4205

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.2385, 61.8159, 68.3153 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(157, 218, 207)` looks like.

```
.text, #text, p{  
    color:rgb(157, 218, 207)  
}
```

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(157, 218, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 218, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 50.2385, 61.8159, 68.3153 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(157, 218, 207) }
```



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

```
.border{ border-color:rgb(157, 218, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 218, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 218, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 218, 207);  
box-shadow:4px 4px 4px 4px rgb(157, 218,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.2385, 61.8159, 68.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 218, 207) }
```

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

```
.background{ background-color: rgb(157,  
218, 207) }
```

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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