

# Converting Colors

XYZ(51.3928, 66.1594, 60.5134)

Have a look what the booklet for  
XYZ(51.3928, 66.1594, 60.5134)  
contains.

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# Color

**XYZ(51.3928, 66.1594,  
60.5134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE3C1
RGB	159, 227, 193
RGB Percent	62%, 89%, 76%
CMY	0.3765, 0.1098, 0.2431
CMYK	0.30, 0.00, 0.15, 0.11
HSL	150°, 55%, 76%
HSV	150°, 30%, 89%
XYZ	51.3928, 66.1594, 60.5134
YIQ	202.7920, -29.6140, -24.9900

# Conversions

## Conversions Part 2

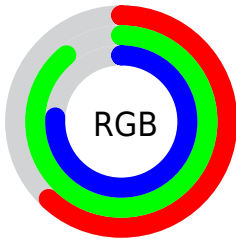
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 204, 227
Decimal	10478529
CIELab	85.08, -28.34, 9.84
CIELCh	85, 29.997, 160.857
Yxy	66.1594, 0.2886, 0.3715
Android (android.graphics.Color)	4288668609 (0xFF9FE3C1)
YUV	202.7920, -4.8275, -38.4056
Hunter-Lab	81.3384, -29.5590, 12.8269

# Details

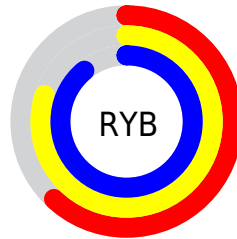
The XYZ color **51.3928, 66.1594, 60.5134** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.7046, 44.9790, 56.3061**, and the grayscale version is **56.6784, 59.6300, 64.9371**.

A 20% lighter version of the original color is **80.8832, 92.8066, 103.2730**, and **25.0488, 33.9932, 29.6672** is the 20% darker color. If you saturate the color by 10%, you get **46.0802, 63.5632, 53.9074**, and if you desaturate by 10%, it is **57.6329, 69.2261, 67.6730**.

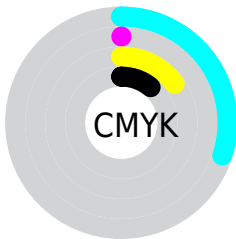
# Distribution



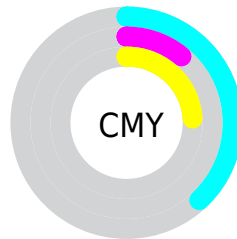
- Red (62%)
- Green (89%)
- Blue (76%)



- Red (62%)
- Yellow (80%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3928, 66.1594, 60.5134 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 51.3928, 66.1594, 60.5134 by changing the saturation by 10% instead.





 51.3928, 66.1594,  
60.5134


 51.3928, 66.1594,  
60.5134


382.4505,  
446.9467, 444.3446

 36.7436, 48.4018,  
43.4046


 91.4147, 113.7151,  
107.1247

 25.1818, 34.1452,  
29.8689


 117.5181,  
144.2820, 137.4643

 16.3420, 23.0052,  
19.4879

148.1703,  
179.8874, 173.0512

 9.8589, 14.5973,  
11.8430

183.7366,  
220.9158, 214.3040

 5.3670, 8.5373,  
6.5156

224.5825,  
267.7515, 261.6412

 2.5011, 4.4406,  
3.0873

271.0732,

 0.8958, 1.9230,

320.7790, 315.4813

1.1394

323.5741,  
380.3826, 376.2430

0.0000, 0.5621,  
0.0000

0.0000, 0.0000,  
0.0000

51.3928, 66.1594,  
60.5134

51.3928, 66.1594,  
60.5134

46.0802, 63.5632,  
53.9074

57.6329, 69.2261,  
67.6730

41.6421, 61.4050,  
47.8369

64.8390, 72.7776,  
75.3948

38.0286, 59.6612,  
42.2894

73.0540, 76.8374,  
83.6928

35.1818, 58.3023,  
37.2500

82.3165, 81.4253,  
92.5791

■ 33.0362, 57.2946,  
32.7029

■ 85.9273, 83.0875,  
101.7501

■ 31.5142, 56.5985,  
28.6313

■ 86.7603, 83.4207,  
106.1368

■ 30.4831, 56.1459,  
25.0153

■ 30.4791, 56.1442,  
25.0005

# Harmonies

## Analogous

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



54.7626, 66.1594, 47.4051



51.3928, 66.1594, 60.5134



50.9694, 66.1594, 79.2727

# Triad

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



51.3928, 66.1594, 60.5134



65.3609, 66.1594, 115.0933



73.2270, 66.1594, 50.3391

# Complementary

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



51.3928, 66.1594, 60.5134



53.7046, 44.9790, 56.3061

# 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.



76.5208, 66.1594, 65.2543



51.3928, 66.1594, 60.5134



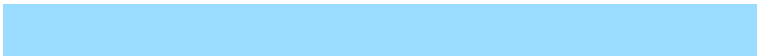
71.7679, 66.1594, 103.9935

# Square

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



51.3928, 66.1594, 60.5134



58.7186, 66.1594, 113.2026



75.9685, 66.1594, 84.9364



67.2388, 66.1594, 42.2991



# Rectangle

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



51.3928, 66.1594, 60.5134



52.3784, 66.1594, 92.8495



75.9685, 66.1594, 84.9364



74.7048, 66.1594, 54.5920

# Sweetspot

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



51.3946, 66.1621, 60.5149



85.3120, 95.1870, 99.0864



56.0117, 68.9314, 43.1547



17.9453, 20.2184, 20.8815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

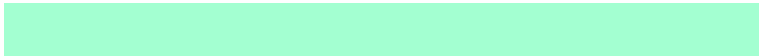


# Same Dimension

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



51.3946, 66.1621, 60.5149



62.4260, 83.9360, 73.2963



55.4786, 67.7957, 82.0207



14.4884, 16.2088, 16.8364



17.8336, 32.7655, 14.8899



1.3647, 2.4400, 1.3472



# Inverse Universe

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



53.7046, 44.9790, 56.3061



65.8940, 52.1340, 66.9777



50.4355, 43.6714, 39.0909



14.6760, 14.4876, 16.4945



20.2889, 10.2498, 10.4162

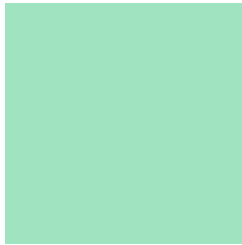


1.5462, 0.7762, 1.0166



# Previews

## White Background



This preview shows how the XYZ color 51.3928, 66.1594, 60.5134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

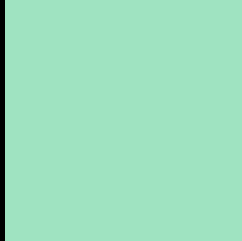
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3928, 66.1594, 60.5134 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

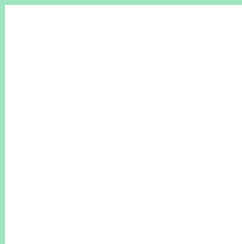
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.3928, 66.1594, 60.5134

## Background



This preview shows how black text looks on a background with the XYZ color 51.3928, 66.1594, 60.5134.



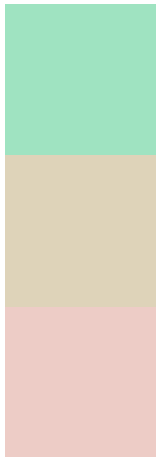
This preview shows how white text looks on a background with the XYZ color 51.3928, 66.1594,



# 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

51.3928, 66.1594, 60.5134

### Protanopia

62.1754, 65.6209, 55.2880

### Deuteranopia

66.7110, 65.2675, 62.5079



## Tritanopia

57.4375, 66.2108, 90.6416

# Trichromacy



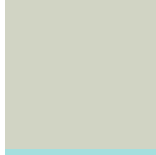
## Original Color

51.3928, 66.1594, 60.5134



## Protanomaly

57.4431, 65.3987, 57.1726



## Deuteranomaly

59.8018, 64.6278, 61.5471



## Tritanomaly

55.0895, 66.0486, 78.9524

# Monochromacy



## Original Color

51.3928, 66.1594, 60.5134



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.3458, 61.7753, 63.0923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3928, 66.1594, 60.5134 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(159, 227, 193)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 193)  
}
```

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(159, 227, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3928, 66.1594, 60.5134 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(159, 227, 193) }
```



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

```
.border{ border-color:rgb(159, 227, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 193);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3928, 66.1594, 60.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 193) }
```

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

```
.background{ background-color: rgb(159,  
227, 193) }
```

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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