

# Converting Colors

XYZ(40.6574, 49.8368, 49.4019)

Have a look what the booklet for  
XYZ(40.6574, 49.8368, 49.4019)  
contains.

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# Color

**XYZ(40.5798, 49.6309,  
49.5604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96C5B2
RGB	150, 197, 178
RGB Percent	59%, 77%, 70%
CMY	0.4118, 0.2274, 0.3020
CMYK	0.24, 0.00, 0.10, 0.23
HSL	156°, 29%, 68%
HSV	156°, 24%, 77%
XYZ	40.5798, 49.6309, 49.5604
YIQ	180.7810, -21.9130, -15.8730

# Conversions

## Conversions Part 2

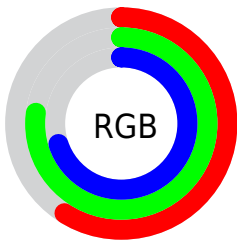
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 179, 197
Decimal	9881010
CIELab	75.84, -19.38, 4.50
CIELCh	76, 19.891, 166.919
Yxy	49.6309, 0.2903, 0.3551
Android (android.graphics.Color)	4288071090 (0xFF96C5B2)
YUV	180.7810, -1.3710, -26.9949
Hunter-Lab	70.4492, -20.4674, 7.6044

# Details

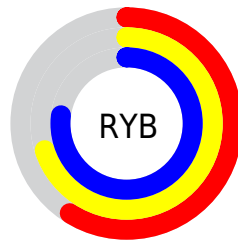
The XYZ color **40.5798, 49.6309, 49.5604** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0955, 36.5488, 42.4269**, and the grayscale version is **43.8194, 46.1015, 50.2045**.

A 20% lighter version of the original color is **75.4699, 89.8033, 91.1980**, and **18.5611, 23.7223, 23.0026** is the 20% darker color. If you saturate the color by 10%, you get **36.4786, 47.6077, 45.3150**, and if you desaturate by 10%, it is **45.3397, 51.9910, 54.0811**.

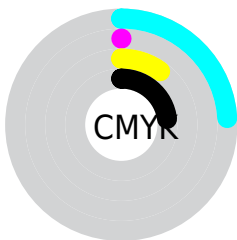
# Distribution



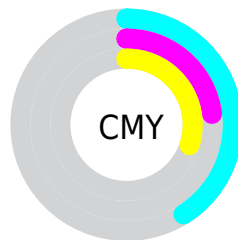
- Red (59%)
- Green (77%)
- Blue (70%)



- Red (59%)
- Yellow (70%)
- Blue (77%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5798, 49.6309, 49.5604 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 40.5798, 49.6309, 49.5604 by changing the saturation by 10% instead.





 40.5798, 49.6309,  
49.5604


 40.5798, 49.6309,  
49.5604

339.6540,  
385.2208, 401.6300

 28.1771, 35.1202,  
34.6955


 75.3243, 89.6278,  
90.9128

 18.6004, 23.7555,  
23.1467


 98.3969, 115.8827,  
118.2374

 11.4841, 15.1523,  
14.4956


125.7568,  
146.8212, 150.5522

 6.4632, 8.9264,  
8.3235

157.7695,  
182.8277, 188.2759

 3.1720, 4.6932,  
4.2119

194.8001,  
224.2865, 231.8270

 1.2454, 2.0684,  
1.7423

237.2142,

 0.1417, 0.6468,

271.5820, 281.6241

0.3895

285.3770,  
325.0986, 338.0856

■ 0.0000, 0.0000,  
0.0000

■ 40.5798, 49.6309,  
49.5604

■ 40.5798, 49.6309,  
49.5604

■ 36.4786, 47.6077,  
45.3150

■ 45.3397, 51.9910,  
54.0811

■ 33.0006, 45.8992,  
41.3362

■ 50.7833, 54.6967,  
58.8792

■ 30.1134, 44.4901,  
37.6191

■ 56.9391, 57.7640,  
63.9608

■ 27.7798, 43.3613,  
34.1578

■ 63.8330, 61.2062,  
69.3311

■ 25.9581, 42.4914,  
30.9459

■ 71.4894, 65.0358,  
74.9948

■ 24.6002, 41.8557,  
27.9767

■ 74.9058, 66.6738,  
80.7216

■ 23.6485, 41.4245,  
25.2426

■ 76.0232, 67.1208,  
86.6056

■ 23.1991, 41.2271,  
23.6749

■ 77.1920, 67.5883,  
92.7606

■ 78.4129, 68.0766,  
99.1899

# Harmonies

## Analogous

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



42.1672, 49.6309, 41.2892



40.5798, 49.6309, 49.5604



40.6914, 49.6309, 60.1857

# Triad

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



40.5798, 49.6309, 49.5604



49.2725, 49.6309, 75.9584



52.1982, 49.6309, 40.4882

# Complementary

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



40.5798, 49.6309, 49.5604



41.0955, 36.5488, 42.4269

# 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.



54.3080, 49.6309, 48.3269



40.5798, 49.6309, 49.5604



52.5594, 49.6309, 69.1770

# Square

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



40.5798, 49.6309, 49.5604



45.5816, 49.6309, 76.4023



54.4436, 49.6309, 58.7809



48.8004, 49.6309, 36.5312



# Rectangle

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



40.5798, 49.6309, 49.5604



41.7130, 49.6309, 67.2190



54.4436, 49.6309, 58.7809



53.0891, 49.6309, 42.7064

# Sweetspot

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



40.5812, 49.6330, 49.5615



87.6448, 96.3142, 102.6020



41.9605, 50.6364, 36.4171



18.6294, 20.5504, 21.8474



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

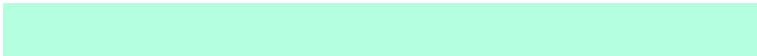


# Same Dimension

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



40.5812, 49.6330, 49.5615



68.4324, 86.7917, 84.4534



41.7457, 48.6941, 60.0244



10.7582, 11.9922, 12.6768



15.3007, 27.1326, 15.7938



0.7597, 1.2988, 0.9332



# Inverse Universe

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



41.0955, 36.5488, 42.4269



69.5253, 59.0286, 69.3226



40.0743, 37.1572, 33.9148



10.8086, 10.7068, 11.9754



16.1280, 8.2008, 5.8841



0.7994, 0.4026, 0.4666



# Previews

## White Background



This preview shows how the XYZ color 40.5798, 49.6309, 49.5604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

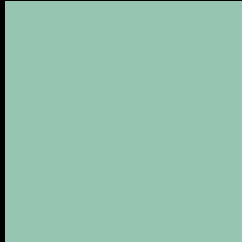
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5798, 49.6309, 49.5604 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 40.5798, 49.6309, 49.5604

## Background



This preview shows how black text looks on a background with the XYZ color 40.5798, 49.6309, 49.5604.



This preview shows how white text looks on a background with the XYZ color 40.5798, 49.6309,

49.5604.

# 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

40.5798, 49.6309, 49.5604

### Protanopia

46.9976, 49.4338, 46.0944

### Deuteranopia

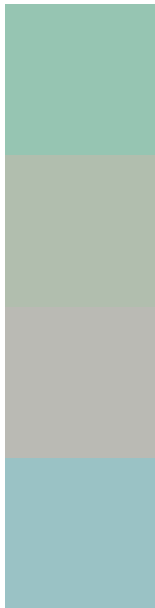
50.1153, 49.1005, 50.5520



## Tritanopia

44.1654, 49.7619, 66.9518

# Trichromacy



## Original Color

40.5798, 49.6309, 49.5604

## Protanomaly

44.1849, 49.2300, 47.2179

## Deuteranomaly

46.0468, 48.8522, 50.1825

## Tritanomaly

42.6963, 49.4848, 60.1245

# Monochromacy



## Original Color

40.5798, 49.6309, 49.5604

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

42.5861, 47.3820, 50.0811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5798, 49.6309, 49.5604 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(150, 197, 178)` looks like.

```
.text, #text, p{  
    color:rgb(150, 197, 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(150, 197, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 197, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5798, 49.6309, 49.5604 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(150, 197, 178) }
```



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

```
.border{ border-color:rgb(150, 197, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 197, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 197, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 197, 178);  
box-shadow:4px 4px 4px 4px rgb(150, 197,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5798, 49.6309, 49.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 197, 178) }
```

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

```
.background{ background-color: rgb(150,  
197, 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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