

# Converting Colors

XYZ(38.9639, 53.8370, 49.2159)

Have a look what the booklet for  
XYZ(38.9639, 53.8370, 49.2159)  
contains.

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# Color

**XYZ(39.0159, 53.7881,  
49.4001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79D3B0
RGB	121, 211, 176
RGB Percent	47%, 83%, 69%
CMY	0.5255, 0.1725, 0.3098
CMYK	0.43, 0.00, 0.17, 0.17
HSL	157°, 51%, 65%
HSV	157°, 43%, 83%
XYZ	39.0159, 53.7881, 49.4001
YIQ	180.1000, -42.4050, -29.9650

# Conversions

## Conversions Part 2

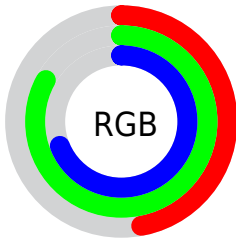
Format	Color
<b>RYB</b>	121, 177, 211
Decimal	7984048
CIELab	78.34, -35.03, 8.97
CIELCh	78, 36.164, 165.637
Yxy	53.7881, 0.2744, 0.3782
Android (android.graphics.Color)	4286174128 (0xFF79D3B0)
YUV	180.1000, -2.0213, -51.8307
Hunter-Lab	73.3404, -33.3865, 11.4021

# Details

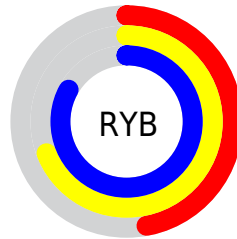
The XYZ color **39.0159, 53.7881, 49.4001** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.7039, 29.9252, 35.1380**, and the grayscale version is **43.4641, 45.7277, 49.7974**.

A 20% lighter version of the original color is **68.4570, 86.6933, 89.4694**, and **17.6436, 26.3308, 22.8913** is the 20% darker color. If you saturate the color by 10%, you get **35.5888, 52.1138, 45.1293**, and if you desaturate by 10%, it is **43.1418, 55.8198, 53.9622**.

# Distribution



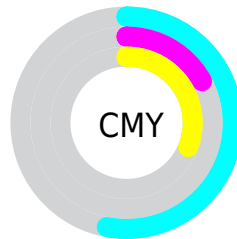
- Red (47%)
- Green (83%)
- Blue (69%)



- Red (47%)
- Yellow (69%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)




- Cyan (53%)
- Magenta (17%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0159, 53.7881, 49.4001 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 39.0159, 53.7881, 49.4001 by changing the saturation by 10% instead.





 39.0159, 53.7881,  
49.4001


 39.0159, 53.7881,  
49.4001


333.1641,  
401.3015, 400.9830


 26.9529, 38.4323,  
34.5691


 72.9565, 95.7630,  
90.6725

 17.6742, 26.3184,  
23.0503


 95.5648, 123.1510,  
117.9511

 10.8146, 17.0620,  
14.4250


 122.4189,  
155.3184, 150.2159

 6.0087, 10.2787,  
8.2747

153.8842,  
192.6496, 187.8855

 2.8911, 5.5841,  
4.1810

190.3260,  
235.5292, 231.3785

 1.0964, 2.5939,  
1.7251

232.1097,

 0.0221, 0.9236,

284.3414, 281.1134

0.3779

279.6006,  
339.4707, 337.5087

■ 0.0000, 0.0000,  
0.0000

■ 39.0159, 53.7881,  
49.4001

■ 39.0159, 53.7881,  
49.4001

■ 35.5888, 52.1138,  
45.1293

■ 43.1418, 55.8198,  
53.9622

■ 32.8125, 50.7680,  
41.1396

■ 48.0015, 58.2226,  
58.8181

■ 30.6400, 49.7280,  
37.4253


■ 53.6332, 61.0176,  
63.9751


■ 29.0153, 48.9650,  
33.9790


■ 60.0708, 64.2220,  
69.4388


■ 27.8717, 48.4448,  
30.7929


■ 67.3462, 67.8523,  
75.2149

 27.2539, 48.1740,  
28.6111

 75.4898, 71.9240,  
81.3087

 79.3068, 73.7591,  
87.4810

 80.5098, 74.2403,  
93.8159

 81.7681, 74.7436,  
100.4419

# Harmonies

## Analogous

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



41.9792, 53.7881, 35.2782



39.0159, 53.7881, 49.4001



39.0815, 53.7881, 69.7391

# Triad

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



39.0159, 53.7881, 49.4001



54.8894, 53.7881, 104.8141



61.2666, 53.7881, 34.8421

# Complementary

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



39.0159, 53.7881, 49.4001



39.7039, 29.9252, 35.1380

# 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.



65.4164, 53.7881, 48.6552



39.0159, 53.7881, 49.4001



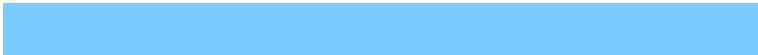
61.5088, 53.7881, 90.3464

# Square

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



39.0159, 53.7881, 49.4001



47.8144, 53.7881, 105.1457



65.5089, 53.7881, 68.8011



54.5829, 53.7881, 28.2885



# Rectangle

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



39.0159, 53.7881, 49.4001



40.8202, 53.7881, 84.4026



65.5089, 53.7881, 68.8011



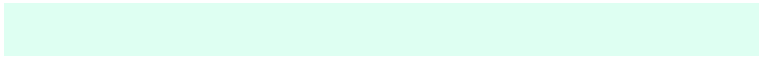
63.0303, 53.7881, 38.6266

# Sweetspot

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



39.0174, 53.7903, 49.4013



81.8815, 93.4432, 97.8100



40.6518, 55.1394, 26.5903



17.0934, 19.7858, 20.5497



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.



39.0174, 53.7903, 49.4013



55.1600, 80.2562, 69.9767



40.7653, 51.0113, 69.3282



11.9555, 13.3259, 14.1218



16.4986, 29.0924, 17.5376



0.9608, 1.6420, 1.1822



# Inverse Universe

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



39.7039, 29.9252, 35.1380



56.3571, 39.0305, 45.3928



38.2994, 31.1959, 22.0927



11.9964, 11.8833, 13.2566



17.1797, 8.7447, 5.8525



0.9990, 0.5043, 0.5297



# Previews

## White Background



This preview shows how the XYZ color 39.0159, 53.7881, 49.4001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

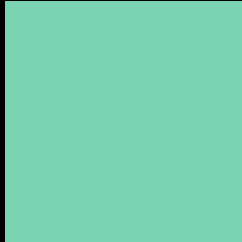
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.0159, 53.7881, 49.4001 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

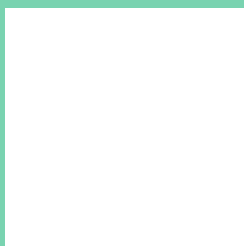
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 39.0159, 53.7881, 49.4001

## Background



This preview shows how black text looks on a background with the XYZ color 39.0159, 53.7881, 49.4001.



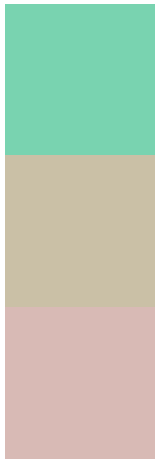
This preview shows how white text looks on a background with the XYZ color 39.0159, 53.7881,

49.4001.

# 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

39.0159, 53.7881, 49.4001

### Protanopia

50.0897, 53.0090, 43.6681

### Deuteranopia

54.2183, 53.0529, 51.0987



## Tritanopia

44.3982, 53.7886, 76.4488

# Trichromacy



## Original Color

39.0159, 53.7881, 49.4001



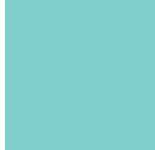
## Protanomaly

44.9127, 52.6334, 45.8223



## Deuteranomaly

46.7078, 52.1086, 50.2440



## Tritanomaly

42.2344, 53.6226, 65.8818

# Monochromacy



## Original Color

39.0159, 53.7881, 49.4001



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

41.0656, 47.8872, 49.7266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0159, 53.7881, 49.4001 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(121, 211, 176)` looks like.

```
.text, #text, p{  
    color:rgb(121, 211, 176)  
}
```

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(121, 211, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 211, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0159, 53.7881, 49.4001 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(121, 211, 176) }
```



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

```
.border{ border-color:rgb(121, 211, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 211, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 211, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 211, 176); box-shadow:4px 4px 4px 4px rgb(121, 211, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0159, 53.7881, 49.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 211, 176) }
```

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

```
.background{ background-color: rgb(121,  
211, 176) }
```

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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