

# Converting Colors

CIELCh(53, 42.078, 192.111)

Have a look what the booklet for  
CIELCh(53, 42.078, 192.111)  
contains.

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**Color**

**CIELCh(54, 33.608, 192.317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00908C
RGB	0, 144, 140
RGB Percent	0%, 56%, 55%
CMY	1.0000, 0.4336, 0.4492
CMYK	1.00, 0.00, 0.03, 0.43
HSL	178°, 100%, 28%
HSV	178°, 100%, 57%
XYZ	14.7826, 21.9746, 28.4488
YIQ	100.4880, -84.5400, -31.7720

# Conversions

## Conversions Part 2

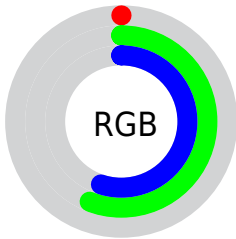
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 73, 144
Decimal	37004
CIELab	54.00, -32.83, -7.17
CIELCh	54, 33.608, 192.317
Yxy	21.9746, 0.2267, 0.3370
Android (android.graphics.Color)	4278227084 (0xFF00908C)
YUV	100.4880, 19.4794, -88.1280
Hunter-Lab	46.8770, -25.7451, -3.1680

# Details

The CIELCh color **54, 33.608, 192.317** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **29, 66.761, 38.127**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 33.403, 192.221**, and **35, 24.548, 191.862** is the 20% darker color. If you saturate the color by 10%, you get **54, 33.515, 192.313**, and if you desaturate by 10%, it is **54, 32.729, 192.699**.

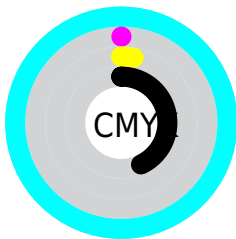
# Distribution



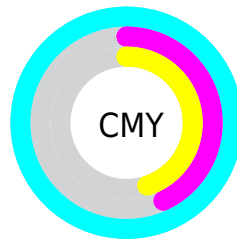
- Red (0%)
- Green (56%)
- Blue (55%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (43%)




- Cyan (100%)
- Magenta (43%)
- Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 33.608, 192.317 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 CIELCh color 54, 33.608, 192.317 by changing the saturation by 10% instead.





 54, 33.608,  
192.317


 54, 33.608,  
192.317


 100, 33.608,  
192.317


 44, 33.608,  
192.317


 74, 33.608,  
192.317

 34, 33.608,  
192.317

 84, 33.608,  
192.317

 24, 33.608,  
192.317

 94, 33.608,  
192.317

 14, 33.608,  
192.317

 4, 33.608, 192.317

 0, 33.608, 192.317

■ 54, 33.608,  
192.317

■ 54, 33.608,  
192.317

■ 54, 33.515,  
192.313

■ 54, 32.729,  
192.699

■ 54, 31.486,  
193.092

■ 55, 29.586,  
193.500

■ 55, 27.007,  
193.931

■ 56, 23.770,  
194.390

■ 56, 19.923,  
194.882

■ 57, 15.539,  
195.408

■ 58, 10.699,

195.971

■ 59, 5.491, 196.586

# Harmonies

# Complementary

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



54, 33.608, 192.317



29, 66.761, 38.127

# Rectangle

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



54, 33.608, 192.317



54, 33.608, 242.317



54, 33.608, 12.317



54, 33.608, 62.317

# Sweetspot

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



54, 33.515, 192.313



73, 19.280, 195.374



52, 78.232, 135.830



38, 12.929, 195.173



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



54, 33.515, 192.313



69, 40.834, 192.229



33, 43.400, 279.588



30, 3.077, 196.642



51, 31.928, 192.337



2, 2.124, 197.123



# Inverse Universe

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



29, 66.761, 38.127



39, 82.165, 38.910



38, 56.376, 58.735



28, 3.246, 17.649



27, 63.251, 37.703



0, 2.124, 17.106



# Previews

## White Background



This preview shows how the CIELCh color 54, 33.608, 192.317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 54, 33.608, 192.317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

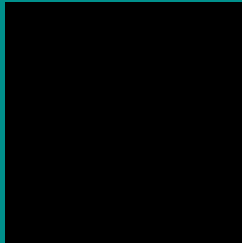
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 54, 33.608, 192.317

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 33.608, 192.317.

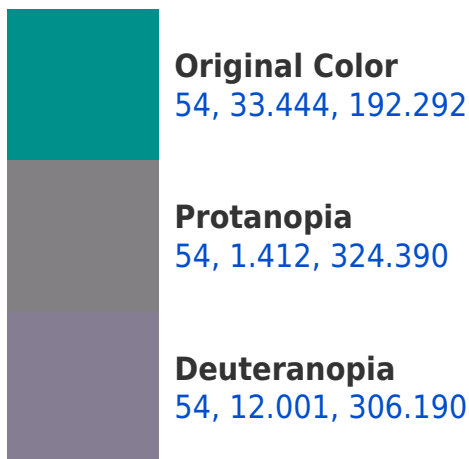


This preview shows how white text looks on a background with the CIELCh color 54, 33.608, 192.317.

# 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







**Tritanopia**  
54, 29.423, 210.616

# Trichromacy



## Original Color

54, 33.444, 192.292



## Protanomaly

53, 17.853, 197.643



## Deuteranomaly

52, 16.969, 220.240



## Tritanomaly

54, 30.843, 203.134

# Monochromacy



## Original Color

54, 33.444, 192.292



## Achromatopsia

43, 0.006, 296.813



## Achromatomaly

46, 18.690, 193.673

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 33.608, 192.317 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(0, 144, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 140)  
}
```

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(0, 144, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 33.608, 192.317 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(0, 144, 140) }
```

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

```
.border{ border-color:rgb(0, 144, 140) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 33.608, 192.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 140) }
```

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

```
.background{ background-color: rgb(0, 144,  
140) }
```

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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