

Converting Colors

CIELCh(51, 49.556, 155.147)

Have a look what the booklet for
CIELCh(51, 49.556, 155.147)
contains.

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Color

CIELCh(51, 49.456, 155.174)

Conversions

Conversions Part 1

Format	Color
Hex	0C8B54
RGB	12, 139, 84
RGB Percent	5%, 55%, 33%
CMY	0.9536, 0.4538, 0.6696
CMYK	0.92, 0.00, 0.40, 0.45
HSL	154°, 84%, 30%
HSV	154°, 92%, 55%
XYZ	11.0333, 19.2686, 11.5782
YIQ	94.7570, -58.0370, -44.0290

Conversions

Conversions Part 2

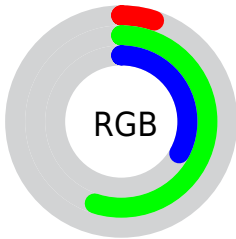
Format	Color
RYB	12, 93, 139
Decimal	822100
CIELab	51.00, -44.89, 20.76
CIELCh	51, 49.456, 155.174
Yxy	19.2686, 0.2634, 0.4601
Android (android.graphics.Color)	4279012180 (0xFF0C8B54)
YUV	94.7570, -5.3032, -72.5779
Hunter-Lab	43.8960, -31.9521, 15.0886

Details

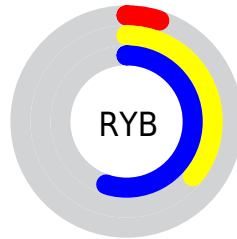
The CIELCh color **51, 49.456, 155.174** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 52.151, 3.918**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 49.727, 155.037**, and **32, 42.144, 147.816** is the 20% darker color. If you saturate the color by 10%, you get **51, 52.177, 153.426**, and if you desaturate by 10%, it is **51, 45.904, 157.200**.

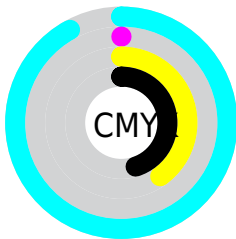
Distribution



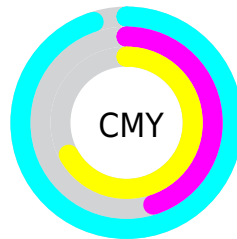
- Red (5%)
- Green (55%)
- Blue (33%)



- Red (5%)
- Yellow (36%)
- Blue (55%)



- Cyan (92%)
- Magenta (0%)
- Yellow (40%)
- Black (45%)





- Cyan (95%)
- Magenta (45%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 49.456, 155.174 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 51, 49.456, 155.174 by changing the saturation by 10% instead.


 51, 49.456,
155.174


 51, 49.456,
155.174


 100, 49.456,
155.174


 41, 49.456,
155.174


 71, 49.456,
155.174

 31, 49.456,
155.174

 81, 49.456,
155.174

 21, 49.456,
155.174

 91, 49.456,
155.174

 11, 49.456,
155.174

 1, 49.456, 155.174

 0, 49.456, 155.174

■ 51, 49.456,
155.174

■ 51, 49.456,
155.174

■ 51, 52.177,
153.426

■ 51, 45.904,
157.200

■ 52, 41.759,
159.027

■ 52, 37.035,
160.657

■ 53, 31.787,
162.107

■ 54, 26.103,
163.398

■ 54, 20.081,
164.555

■ 55, 13.824,
165.600

■ 57, 7.426, 166.561

Harmonies

Complementary

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



51, 49.456, 155.174



30, 52.151, 3.918

Rectangle

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



51, 49.456, 155.174



51, 49.456, 205.174



51, 49.456, 335.174



51, 49.456, 25.174

Sweetspot

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



51, 49.456, 155.174



70, 21.397, 164.977



52, 67.885, 129.137



36, 14.490, 164.659



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 49.456, 155.174



65, 63.922, 152.887



50, 28.975, 206.682



29, 3.608, 166.783



48, 50.237, 153.542



1, 1.680, 167.510

Inverse Universe

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



30, 52.151, 3.918



39, 65.322, 8.506



30, 60.589, 38.403



27, 3.666, 348.231



27, 51.953, 7.094



0, 1.680, 347.499

Previews

White Background



This preview shows how the CIELCh color 51, 49.456, 155.174 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 51, 49.456, 155.174 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 51, 49.456, 155.174

Background



This preview shows how black text looks on a background with the CIELCh color 51, 49.456, 155.174.



This preview shows how white text looks on a background with the CIELCh color 51, 49.456, 155.174.

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, 49.401, 155.129

Protanopia

51, 25.773, 95.658

Deuteranopia

51, 19.538, 69.963



Tritanopia
51, 24.618, 212.441

Trichromacy



Original Color
51, 49.401, 155.129



Protanomaly
50, 32.317, 137.738



Deuteranomaly
49, 24.228, 137.521

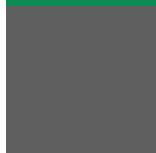


Tritanomaly
51, 30.883, 182.023

Monochromacy



Original Color
51, 49.401, 155.129



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 21.721, 163.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 49.456, 155.174 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(12, 139, 84)` looks like.

```
.text, #text, p{  
    color:rgb(12, 139, 84)  
}
```

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(12, 139, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 139, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 49.456, 155.174 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(12, 139, 84) }
```

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

```
.border{ border-color:rgb(12, 139, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 139, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 139, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 139, 84);  
box-shadow:4px 4px 4px 4px rgb(12, 139,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 49.456, 155.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 139, 84) }
```

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

```
.background{ background-color: rgb(12, 139,  
84) }
```

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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