

Converting Colors

CIELCh(51, 55.832, 149.902)

Have a look what the booklet for
CIELCh(51, 55.832, 149.902)
contains.

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Color

CIELCh(51, 55.790, 149.941)

Conversions

Conversions Part 1

Format	Color
Hex	038C47
RGB	3, 140, 71
RGB Percent	1%, 55%, 28%
CMY	0.9868, 0.4505, 0.7212
CMYK	0.98, 0.00, 0.49, 0.45
HSL	150°, 95%, 28%
HSV	150°, 98%, 55%
XYZ	10.5781, 19.2686, 9.1406
YIQ	91.1710, -59.5030, -50.5030

Conversions

Conversions Part 2

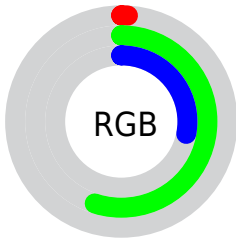
Format	Color
RYB	3, 95, 140
Decimal	232519
CIELab	51.00, -48.29, 27.94
CIELCh	51, 55.790, 149.941
Yxy	19.2686, 0.2713, 0.4942
Android (android.graphics.Color)	4278422599 (0xFF038C47)
YUV	91.1710, -9.9443, -77.3260
Hunter-Lab	43.8960, -33.8030, 18.3811

Details

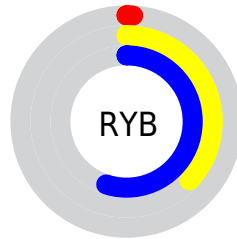
The CIELCh color **51, 55.790, 149.941** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 54.044, 359.718**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 55.848, 150.078**, and **32, 47.563, 142.288** is the 20% darker color. If you saturate the color by 10%, you get **51, 56.655, 149.470**, and if you desaturate by 10%, it is **51, 52.092, 152.025**.

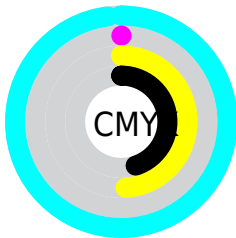
Distribution



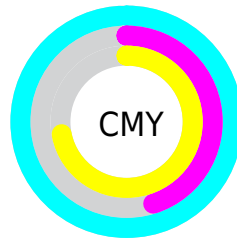
- Red (1%)
- Green (55%)
- Blue (28%)



- Red (1%)
- Yellow (37%)
- Blue (55%)



- Cyan (98%)
- Magenta (0%)
- Yellow (49%)
- Black (45%)





- Cyan (99%)
- Magenta (45%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 55.790, 149.941 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, 55.790, 149.941 by changing the saturation by 10% instead.


 51, 55.790,
149.941


 51, 55.790,
149.941


 100, 55.790,
149.941


 41, 55.790,
149.941


 71, 55.790,
149.941

 31, 55.790,
149.941

 81, 55.790,
149.941

 21, 55.790,
149.941

 91, 55.790,
149.941

 11, 55.790,
149.941

 1, 55.790, 149.941

 0, 55.790, 149.941

■ 51, 55.790,
149.941

■ 51, 55.790,
149.941

■ 51, 56.655,
149.470

■ 51, 52.092,
152.025

■ 52, 47.850,
153.978

■ 52, 42.994,
155.732

■ 53, 37.568,
157.290

■ 53, 31.651,
158.668

■ 54, 25.348,
159.889

■ 55, 18.768,
160.975

■ 56, 12.016,

161.951

■ 57, 5.187, 162.854

Harmonies

Complementary

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



51, 55.790, 149.941



30, 54.044, 359.718

Rectangle

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



51, 55.790, 149.941



51, 55.790, 199.941



51, 55.790, 329.941



51, 55.790, 19.941

Sweetspot

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



51, 55.790, 149.941



70, 24.278, 160.766



52, 68.462, 126.944



36, 16.738, 160.360



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, 55.790, 149.941



65, 69.137, 148.948



53, 32.316, 193.977



29, 3.799, 162.715



48, 54.289, 149.599



1, 1.765, 163.407

Inverse Universe

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



30, 54.044, 359.718



39, 65.591, 1.490



29, 64.381, 37.843



27, 3.845, 344.087



28, 52.327, 0.296



0, 1.765, 343.397

Previews

White Background



This preview shows how the CIELCh color 51, 55.790, 149.941 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 CIE LCh color 51, 55.790, 149.941 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, 55.790, 149.941

Background



This preview shows how black text looks on a background with the CIELCh color 51, 55.790, 149.941.



This preview shows how white text looks on a background with the CIELCh color 51, 55.790, 149.941.

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, 55.790, 149.941

Protanopia
51, 32.864, 96.121

Deuteranopia
51, 26.562, 74.661



Tritanopia
51, 24.258, 212.704

Trichromacy



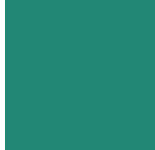
Original Color
51, 55.790, 149.941



Protanomaly
49, 38.993, 133.083



Deuteranomaly
49, 30.996, 131.124



Tritanomaly
51, 32.599, 177.270

Monochromacy



Original Color
51, 55.790, 149.941



Achromatopsia
39, 0.005, 296.813



Achromatomaly
42, 24.840, 159.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 55.790, 149.941 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(3, 140, 71)` looks like.

```
.text, #text, p{  
    color:rgb(3, 140, 71)  
}
```

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(3, 140, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 140, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 55.790, 149.941 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(3, 140, 71) }
```

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

```
.border{ border-color:rgb(3, 140, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 140, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 140, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 140, 71);  
box-shadow:4px 4px 4px 4px rgb(3, 140, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 55.790, 149.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 140, 71) }
```

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

```
.background{ background-color: rgb(3, 140,  
71) }
```

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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