

Converting Colors

CIELCh(50, 77.594, 167.082)

Have a look what the booklet for
CIELCh(50, 77.594, 167.082)
contains.

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Color

CIELCh(53, 51.921, 155.258)

Conversions

Conversions Part 1

Format	Color
Hex	019157
RGB	1, 145, 87
RGB Percent	0%, 57%, 34%
CMY	0.9961, 0.4301, 0.6577
CMYK	0.99, 0.00, 0.40, 0.43
HSL	156°, 99%, 29%
HSV	156°, 99%, 57%
XYZ	11.9178, 21.0462, 12.5123
YIQ	95.3320, -67.2060, -48.5660

Conversions

Conversions Part 2

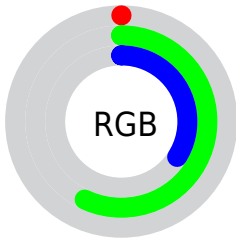
Format	Color
RYB	1, 91, 145
Decimal	102743
CIELab	53.00, -47.15, 21.73
CIELCh	53, 51.921, 155.258
Yxy	21.0462, 0.2621, 0.4628
Android (android.graphics.Color)	4278292823 (0xFF019157)
YUV	95.3320, -4.1077, -82.7292
Hunter-Lab	45.8761, -33.9119, 15.9425

Details

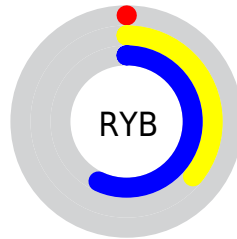
The CIELCh color **53, 51.921, 155.258** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 55.500, 10.087**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 52.063, 155.094**, and **34, 43.592, 148.030** is the 20% darker color. If you saturate the color by 10%, you get **53, 52.133, 155.122**, and if you desaturate by 10%, it is **53, 48.794, 157.347**.

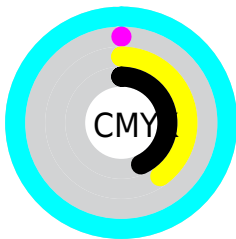
Distribution



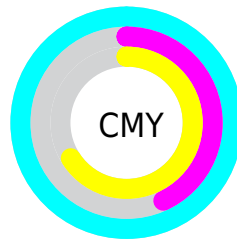
- Red (0%)
- Green (57%)
- Blue (34%)



- Red (0%)
- Yellow (36%)
- Blue (57%)



- Cyan (99%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 51.921, 155.258 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 53, 51.921, 155.258 by changing the saturation by 10% instead.


 53, 51.921,
155.258


 53, 51.921,
155.258


 100, 51.921,
155.258


 43, 51.921,
155.258


 73, 51.921,
155.258

 33, 51.921,
155.258

 83, 51.921,
155.258

 23, 51.921,
155.258

 93, 51.921,
155.258

 13, 51.921,
155.258

 3, 51.921, 155.258

 0, 51.921, 155.258

■ 53, 51.921,
155.258

■ 53, 51.921,
155.258

■ 53, 52.133,
155.122

■ 53, 48.794,
157.347

■ 54, 45.198,
159.332

■ 54, 40.988,
161.115

■ 54, 36.184,
162.706

■ 55, 30.846,
164.124

■ 56, 25.067,
165.391

■ 57, 18.949,
166.532

■ 58, 12.595,

167.569

■ 59, 6.100, 168.536

Harmonies

Complementary

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



53, 51.921, 155.258



30, 55.500, 10.087

Rectangle

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



53, 51.921, 155.258



53, 51.921, 205.258



53, 51.921, 335.258



53, 51.921, 25.258

Sweetspot

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



53, 51.921, 155.258



72, 23.960, 166.389



53, 73.149, 130.197



37, 16.217, 165.970



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 51.921, 155.258



68, 63.812, 154.608



51, 29.781, 210.513



30, 3.644, 168.551



49, 49.304, 155.288



2, 2.471, 169.295

Inverse Universe

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



30, 55.500, 10.087



40, 67.615, 11.553



30, 66.575, 40.467



28, 3.710, 350.036



28, 52.780, 10.001



1, 2.472, 349.283

Previews

White Background



This preview shows how the CIELCh color 53, 51.921, 155.258 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 53, 51.921, 155.258 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 53, 51.921, 155.258

Background



This preview shows how black text looks on a background with the CIELCh color 53, 51.921, 155.258.



This preview shows how white text looks on a background with the CIELCh color 53, 51.921, 155.258.

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
53, 51.873, 155.220

Protanopia
53, 26.698, 96.098

Deuteranopia
53, 20.599, 70.856



Tritanopia
53, 25.533, 211.741

Trichromacy



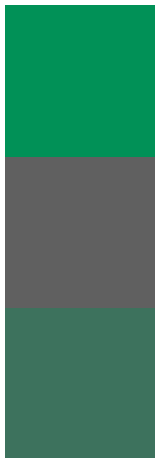
Original Color
53, 51.873, 155.220

Protanomaly
51, 34.133, 139.427

Deuteranomaly
51, 26.789, 139.923

Tritanomaly
53, 32.690, 181.805

Monochromacy



Original Color
53, 51.873, 155.220

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 23.912, 164.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 51.921, 155.258 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(1, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(1, 145, 87)  
}
```

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(1, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 145, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 51.921, 155.258 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(1, 145, 87) }
```

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

```
.border{ border-color:rgb(1, 145, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 145, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(1, 145, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 51.921, 155.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 145, 87) }
```

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

```
.background{ background-color: rgb(1, 145,  
87) }
```

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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