

Converting Colors

CIELCh(56, 59.793, 150.174)

Have a look what the booklet for
CIELCh(56, 59.793, 150.174)
contains.

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Color

CIELCh(56, 59.835, 150.208)

Conversions

Conversions Part 1

Format	Color
Hex	029B50
RGB	2, 155, 80
RGB Percent	1%, 61%, 31%
CMY	0.9930, 0.3935, 0.6875
CMYK	0.99, 0.00, 0.48, 0.39
HSL	151°, 98%, 31%
HSV	151°, 99%, 61%
XYZ	13.1219, 23.9124, 11.4527
YIQ	100.7030, -67.1130, -55.7610

Conversions

Conversions Part 2

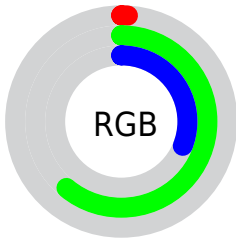
Format	Color
R_{YB}	2, 103, 155
Decimal	170832
CIE Lab	56.00, -51.93, 29.73
CIE LCh	56, 59.835, 150.208
Yxy	23.9124, 0.2706, 0.4932
Android (android.graphics.Color)	4278360912 (0xFF029B50)
YUV	100.7030, -10.2066, -86.5625
Hunter-Lab	48.9003, -37.6770, 20.3443

Details

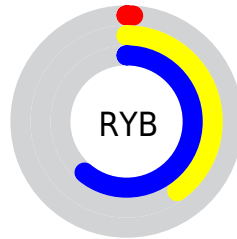
The CIELCh color **56, 59.835, 150.208** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 58.124, 1.831**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 60.186, 149.994**, and **37, 51.707, 143.144** is the 20% darker color. If you saturate the color by 10%, you get **56, 60.267, 149.975**, and if you desaturate by 10%, it is **56, 56.019, 152.336**.

Distribution



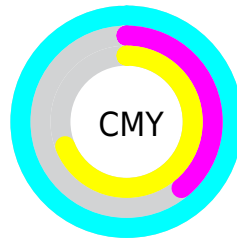
- Red (1%)
- Green (61%)
- Blue (31%)



- Red (1%)
- Yellow (40%)
- Blue (61%)



- Cyan (99%)
- Magenta (0%)
- Yellow (48%)
- Black (39%)





- Cyan (99%)
- Magenta (39%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 59.835, 150.208 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 56, 59.835, 150.208 by changing the saturation by 10% instead.


 56, 59.835,
150.208


 56, 59.835,
150.208

 100, 59.835,
150.208


 46, 59.835,
150.208

 76, 59.835,
150.208

 36, 59.835,
150.208

 86, 59.835,
150.208

 26, 59.835,
150.208

 96, 59.835,
150.208

 16, 59.835,
150.208

 6, 59.835, 150.208

 0, 59.835, 150.208

■ 56, 59.835,
150.208

■ 56, 59.835,
150.208

■ 56, 60.267,
149.975

■ 56, 56.019,
152.336

■ 57, 51.642,
154.348

■ 57, 46.596,
156.157

■ 58, 40.917,
157.764

■ 58, 34.685,
159.187

■ 59, 28.009,
160.447

■ 60, 21.007,
161.567

■ 61, 13.795,

162.573

■ 63, 6.480, 163.498

Harmonies

Complementary

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



56, 59.835, 150.208



33, 58.124, 1.831

Rectangle

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



56, 59.835, 150.208



56, 59.835, 200.208



56, 59.835, 330.208



56, 59.835, 20.208

Sweetspot

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



56, 59.835, 150.208



76, 27.063, 161.380



57, 74.544, 127.729



40, 18.543, 160.947



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



56, 59.835, 150.208



72, 74.044, 149.484



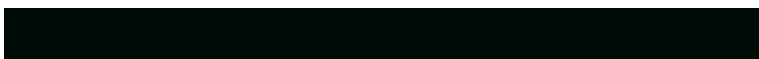
58, 34.422, 196.393



32, 4.105, 163.464



51, 55.872, 150.189



3, 4.470, 163.714

Inverse Universe

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



33, 58.124, 1.831



43, 70.836, 3.200



32, 70.940, 39.281



30, 4.158, 344.879



29, 54.330, 1.851



1, 4.419, 344.618

Previews

White Background



This preview shows how the CIELCh color 56, 59.835, 150.208 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 56, 59.835, 150.208 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 56, 59.835, 150.208

Background



This preview shows how black text looks on a background with the CIELCh color 56, 59.835, 150.208.



This preview shows how white text looks on a background with the CIELCh color 56, 59.835, 150.208.

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
56, 59.877, 150.241

Protanopia
56, 35.106, 96.203

Deuteranopia
56, 28.472, 75.589



Tritanopia
56, 26.177, 212.579

Trichromacy



Original Color
56, 59.877, 150.241



Protanomaly
54, 42.386, 133.896



Deuteranomaly
54, 33.858, 132.271



Tritanomaly
56, 35.037, 177.955

Monochromacy



Original Color
56, 59.877, 150.241



Achromatopsia
42, 0.006, 296.813



Achromatomaly
46, 26.889, 160.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 59.835, 150.208 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(2, 155, 80)` looks like.

```
.text, #text, p{  
    color:rgb(2, 155, 80)  
}
```

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(2, 155, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 155, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 59.835, 150.208 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(2, 155, 80) }
```

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

```
.border{ border-color:rgb(2, 155, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 155, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 155, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 155, 80);  
box-shadow:4px 4px 4px 4px rgb(2, 155, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 59.835, 150.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 155, 80) }
```

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

```
.background{ background-color: rgb(2, 155,  
80) }
```

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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