

Converting Colors

CIELCh(50, 28.706, 160.036)

Have a look what the booklet for
CIELCh(50, 28.706, 160.036)
contains.

CIELCh(50, 29.052, 159.504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 29.052, 159.504)

Conversions

Conversions Part 1

Format	Color
Hex	468365
RGB	70, 131, 101
RGB Percent	27%, 51%, 40%
CMY	0.7262, 0.4869, 0.6046
CMYK	0.47, 0.00, 0.23, 0.49
HSL	150°, 30%, 39%
HSV	150°, 47%, 51%
XYZ	12.9478, 18.4187, 15.1430
YIQ	109.3410, -26.7260, -22.2620

Conversions

Conversions Part 2

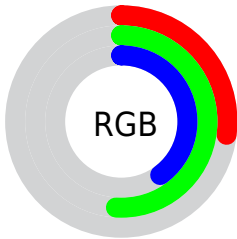
Format	Color
RYB	70, 110, 131
Decimal	4621157
CIELab	50.00, -27.21, 10.17
CIElCh	50, 29.052, 159.504
Yxy	18.4187, 0.2784, 0.3960
Android (android.graphics.Color)	4282811237 (0xFF468365)
YUV	109.3410, -4.1121, -34.5021
Hunter-Lab	42.9170, -21.2524, 9.1218

Details

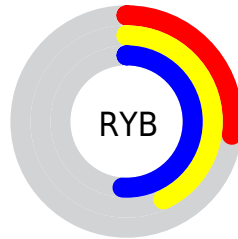
The CIELCh color **50, 29.052, 159.504** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **38, 30.657, 348.789**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.729, 159.658**, and **30, 29.123, 159.321** is the 20% darker color. If you saturate the color by 10%, you get **49, 34.622, 158.153**, and if you desaturate by 10%, it is **51, 23.131, 160.702**.

Distribution



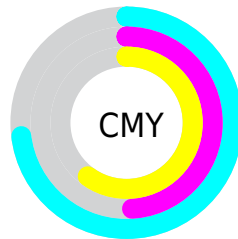
- Red (27%)
- Green (51%)
- Blue (40%)



- Red (27%)
- Yellow (43%)
- Blue (51%)



- Cyan (47%)
- Magenta (0%)
- Yellow (23%)
- Black (49%)





- Cyan (73%)
- Magenta (49%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.052, 159.504 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 50, 29.052, 159.504 by changing the saturation by 10% instead.


 50, 29.052,
159.504


 50, 29.052,
159.504


 100, 29.052,
159.504


 40, 29.052,
159.504


 70, 29.052,
159.504

 30, 29.052,
159.504

 80, 29.052,
159.504


 20, 29.052,
159.504

 90, 29.052,
159.504

 10, 29.052,
159.504

 0, 29.052, 159.504

 50, 29.052,
159.504

 50, 29.052,
159.504

■ 49, 34.622,
158.153

■ 51, 23.131,
160.702

■ 49, 39.743,
156.628

■ 52, 16.959,
161.773

■ 48, 44.338,
154.913

■ 53, 10.631,
162.738

■ 48, 48.363,
152.999

■ 54, 4.235, 163.643

■ 48, 51.870,
150.942

■ 55, 2.159, 344.218

■ 56, 8.495, 345.040

■ 48, 53.019,
150.288

■ 58, 14.730,
345.719

■ 59, 20.835,
346.342

■ 61, 26.789,
346.921

Harmonies

Complementary

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



50, 29.052, 159.504



38, 30.657, 348.789

Rectangle

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



50, 29.052, 159.504



50, 29.052, 209.504



50, 29.052, 339.504



50, 29.052, 29.504

Sweetspot

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



50, 29.053, 159.503



68, 11.138, 162.949



51, 36.824, 126.973



35, 7.748, 162.777



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 29.053, 159.503



63, 42.521, 158.055



51, 20.629, 197.338



27, 3.647, 163.415



47, 52.775, 150.303



1, 0.875, 164.108

Inverse Universe

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



38, 30.657, 348.789



46, 45.083, 350.371



37, 28.500, 24.144



26, 3.693, 344.790



27, 51.479, 1.399



0, 0.875, 344.097

Previews

White Background



This preview shows how the CIELCh color 50, 29.052, 159.504 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 50, 29.052, 159.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

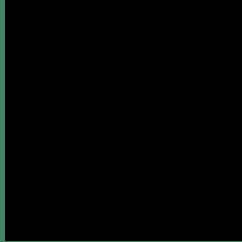
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.052, 159.504

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.052, 159.504.



This preview shows how white text looks on a background with the CIELCh color 50, 29.052, 159.504.

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
50, 29.052, 159.504

Protanopia
50, 13.831, 93.816

Deuteranopia
50, 10.789, 52.742



Tritanopia
50, 16.857, 218.385

Trichromacy



Original Color
50, 29.052, 159.504

Protanomaly
50, 16.739, 133.359

Deuteranomaly
49, 10.626, 129.504

Tritanomaly
50, 18.842, 188.451

Monochromacy



Original Color
50, 29.052, 159.504

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 11.035, 162.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.052, 159.504 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(70, 131, 101)` looks like.

```
.text, #text, p{  
    color:rgb(70, 131, 101)  
}
```

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(70, 131, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 131, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.052, 159.504 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(70, 131, 101) }
```

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

```
.border{ border-color:rgb(70, 131, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 131, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 131, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 131, 101);  
box-shadow:4px 4px 4px 4px rgb(70, 131,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.052, 159.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 131, 101) }
```

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

```
.background{ background-color: rgb(70, 131,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor