

Converting Colors

CIELCh(52, 29.991, 159.075)

Have a look what the booklet for
CIELCh(52, 29.991, 159.075)
contains.

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Color

CIELCh(52, 29.812, 159.500)

Conversions

Conversions Part 1

Format	Color
Hex	498869
RGB	73, 136, 105
RGB Percent	29%, 53%, 41%
CMY	0.7126, 0.4655, 0.5871
CMYK	0.46, 0.00, 0.23, 0.47
HSL	150°, 30%, 41%
HSV	150°, 46%, 53%
XYZ	14.1791, 20.1443, 16.5804
YIQ	113.6290, -27.5970, -22.9970

Conversions

Conversions Part 2

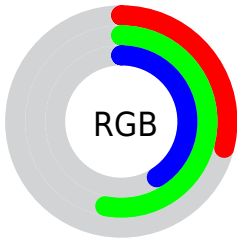
Format	Color
R_YB	73, 115, 136
Decimal	4819049
CIE _{Lab}	52.00, -27.92, 10.44
CIE _{LCh}	52, 29.812, 159.500
Y _{xy}	20.1443, 0.2785, 0.3957
Android (android.graphics.Color)	4283009129 (0xFF498869)
YUV	113.6290, -4.2541, -35.6316
Hunter-Lab	44.8824, -22.1533, 9.5148

Details

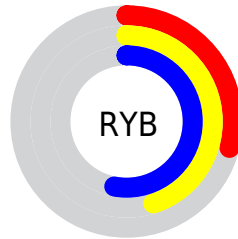
The CIELCh color **52, 29.812, 159.500** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **40, 31.448, 348.723**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 30.090, 159.241**, and **32, 29.956, 159.449** is the 20% darker color. If you saturate the color by 10%, you get **51, 35.584, 158.147**, and if you desaturate by 10%, it is **53, 23.678, 160.700**.

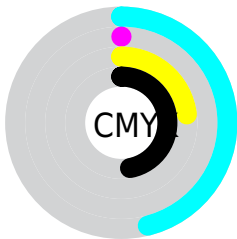
Distribution



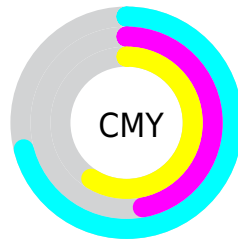
- Red (29%)
- Green (53%)
- Blue (41%)



- Red (29%)
- Yellow (45%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)





- Cyan (71%)
- Magenta (47%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 29.812, 159.500 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 52, 29.812, 159.500 by changing the saturation by 10% instead.


 52, 29.812,
159.500


 52, 29.812,
159.500


 100, 29.812,
159.500


 42, 29.812,
159.500


 72, 29.812,
159.500

 32, 29.812,
159.500

 82, 29.812,
159.500

 22, 29.812,
159.500

 92, 29.812,
159.500

 12, 29.812,
159.500

 2, 29.812, 159.500

 0, 29.812, 159.500

■ 52, 29.812,
159.500

■ 52, 29.812,
159.500

■ 51, 35.584,
158.147

■ 53, 23.678,
160.700

■ 51, 40.891,
156.619

■ 54, 17.286,
161.771

■ 50, 45.653,
154.900

■ 55, 10.737,
162.737

■ 50, 49.824,
152.980

■ 56, 4.118, 163.645

■ 50, 53.440,
150.902

■ 57, 2.495, 344.231

■ 50, 54.756,
150.159

■ 59, 9.046, 345.039

■ 60, 15.490,
345.717

■ 62, 21.797,
346.339

■ 63, 27.948,
346.918

Harmonies

Complementary

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



52, 29.812, 159.500



40, 31.448, 348.723

Rectangle

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



52, 29.812, 159.500



52, 29.812, 209.500



52, 29.812, 339.500



52, 29.812, 29.500

Sweetspot

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



52, 29.813, 159.499



70, 11.414, 162.913



53, 37.764, 126.982



36, 7.940, 162.739



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 29.813, 159.499



65, 42.882, 158.153



53, 21.173, 197.345



29, 3.766, 163.377



48, 53.605, 150.225



1, 1.750, 164.075

Inverse Universe

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



40, 31.448, 348.723



47, 45.449, 350.188



39, 29.201, 24.106



27, 3.813, 344.762



28, 52.203, 1.431



0, 1.750, 344.065

Previews

White Background



This preview shows how the CIELCh color 52, 29.812, 159.500 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 52, 29.812, 159.500 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 52, 29.812, 159.500

Background



This preview shows how black text looks on a background with the CIELCh color 52, 29.812, 159.500.



This preview shows how white text looks on a background with the CIELCh color 52, 29.812, 159.500.

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
52, 29.812, 159.500

Protanopia
52, 14.288, 94.388

Deuteranopia
52, 10.689, 52.788



Tritanopia
52, 17.236, 219.881

Trichromacy



Original Color
52, 29.812, 159.500

Protanomaly
51, 17.322, 133.767

Deuteranomaly
51, 10.547, 129.526

Tritanomaly
52, 19.223, 190.472

Monochromacy



Original Color
52, 29.812, 159.500

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.266, 163.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 29.812, 159.500 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(73, 136, 105)` looks like.

```
.text, #text, p{  
    color:rgb(73, 136, 105)  
}
```

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(73, 136, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 136, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 29.812, 159.500 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(73, 136, 105) }
```

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

```
.border{ border-color:rgb(73, 136, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 136, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 136, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 136, 105);  
box-shadow:4px 4px 4px 4px rgb(73, 136,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 29.812, 159.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 136, 105) }
```

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

```
.background{ background-color: rgb(73, 136,  
105) }
```

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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