

Converting Colors

CIELCh(50, 101.054, 180.707)

Have a look what the booklet for
CIELCh(50, 101.054, 180.707)
contains.

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Color

CIELCh(56, 42.519, 169.980)

Conversions

Conversions Part 1

Format	Color
Hex	049878
RGB	4, 152, 120
RGB Percent	2%, 60%, 47%
CMY	0.9834, 0.4031, 0.5289
CMYK	0.97, 0.00, 0.21, 0.40
HSL	167°, 95%, 31%
HSV	167°, 97%, 60%
XYZ	14.7142, 23.9124, 21.6535
YIQ	104.1000, -77.9360, -41.3280

Conversions

Conversions Part 2

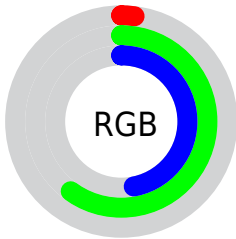
Format	Color
RYB	4, 87, 152
Decimal	301176
CIELab	56.00, -41.87, 7.40
CIELCh	56, 42.519, 169.980
Yxy	23.9124, 0.2441, 0.3967
Android (android.graphics.Color)	4278491256 (0xFF049878)
YUV	104.1000, 7.8387, -87.7877
Hunter-Lab	48.9003, -31.8646, 7.9760

Details

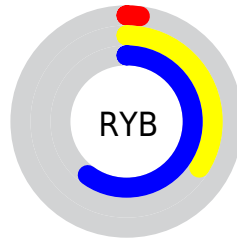
The CIELCh color **56, 42.519, 169.980** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **32, 60.844, 25.944**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 42.471, 169.934**, and **37, 33.967, 164.827** is the 20% darker color. If you saturate the color by 10%, you get **56, 43.038, 169.498**, and if you desaturate by 10%, it is **56, 40.560, 171.749**.

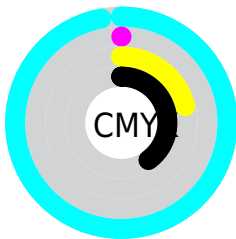
Distribution



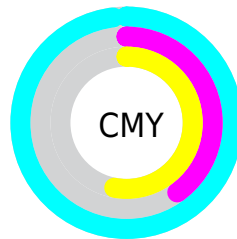
- Red (2%)
- Green (60%)
- Blue (47%)



- Red (2%)
- Yellow (34%)
- Blue (60%)



- Cyan (97%)
- Magenta (0%)
- Yellow (21%)
- Black (40%)





- Cyan (98%)
- Magenta (40%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 42.519, 169.980 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, 42.519, 169.980 by changing the saturation by 10% instead.


 56, 42.519,
169.980


 56, 42.519,
169.980


 100, 42.519,
169.980


 46, 42.519,
169.980


 76, 42.519,
169.980


 36, 42.519,
169.980

 86, 42.519,
169.980

 26, 42.519,
169.980

 96, 42.519,
169.980

 16, 42.519,
169.980

 6, 42.519, 169.980

 0, 42.519, 169.980

■ 56, 42.519,
169.980

■ 56, 42.519,
169.980

■ 56, 43.038,
169.498

■ 56, 40.560,
171.749

■ 56, 38.026,
173.372

■ 57, 34.827,
174.835

■ 57, 30.974,
176.158

■ 58, 26.517,
177.363

■ 59, 21.537,
178.472

■ 60, 16.127,
179.505

■ 61, 10.388,

180.481

■ 62, 4.412, 181.444

Harmonies

Complementary

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



56, 42.519, 169.980



32, 60.844, 25.944

Rectangle

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



56, 42.519, 169.980



56, 42.519, 219.980



56, 42.519, 349.980



56, 42.519, 39.980

Sweetspot

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



56, 42.519, 169.979



76, 21.256, 179.267



55, 78.511, 134.017



39, 14.416, 178.864



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 42.519, 169.979



72, 52.752, 169.078



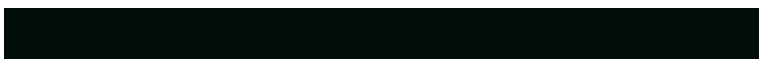
44, 31.182, 247.670



32, 3.459, 181.245



52, 40.462, 169.648



3, 3.806, 181.012

Inverse Universe

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



32, 60.844, 25.944



42, 76.438, 28.476



35, 63.210, 46.217



30, 3.578, 2.760



29, 58.291, 26.801



1, 3.779, 2.252

Previews

White Background



This preview shows how the CIE LCh color 56, 42.519, 169.980 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 CIELCh color 56, 42.519, 169.980 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, 42.519, 169.980

Background



This preview shows how black text looks on a background with the CIELCh color 56, 42.519, 169.980.



This preview shows how white text looks on a background with the CIELCh color 56, 42.519, 169.980.

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, 42.473, 170.007

Protanopia
56, 12.984, 93.580

Deuteranopia
56, 8.532, 35.636



Tritanopia
56, 28.307, 211.217

Trichromacy



Original Color
56, 42.473, 170.007

Protanomaly
54, 24.142, 158.871

Deuteranomaly
54, 17.608, 170.308

Tritanomaly
56, 32.245, 192.350

Monochromacy



Original Color
56, 42.473, 170.007

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 21.075, 177.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 42.519, 169.980 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(4, 152, 120)` looks like.

```
.text, #text, p{  
    color:rgb(4, 152, 120)  
}
```

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(4, 152, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 152, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 42.519, 169.980 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(4, 152, 120) }
```

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

```
.border{ border-color:rgb(4, 152, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 152, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 152, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 152, 120);  
box-shadow:4px 4px 4px 4px rgb(4, 152,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 42.519, 169.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 152, 120) }
```

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

```
.background{ background-color: rgb(4, 152,  
120) }
```

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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