

Converting Colors

CIELCh(50, 28.562, 156.305)

Have a look what the booklet for
CIELCh(50, 28.562, 156.305)
contains.

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Color

CIELCh(50, 28.254, 156.859)

Conversions

Conversions Part 1

Format	Color
Hex	4A8263
RGB	74, 130, 99
RGB Percent	29%, 51%, 39%
CMY	0.7087, 0.4890, 0.6107
CMYK	0.43, 0.00, 0.24, 0.49
HSL	147°, 27%, 40%
HSV	147°, 43%, 51%
XYZ	13.1347, 18.4187, 14.7383
YIQ	109.7220, -23.4250, -21.5130

Conversions

Conversions Part 2

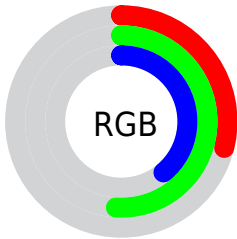
Format	Color
RYB	74, 113, 130
Decimal	4883043
CIELab	50.00, -25.98, 11.10
CIElCh	50, 28.254, 156.859
Yxy	18.4187, 0.2837, 0.3979
Android (android.graphics.Color)	4283073123 (0xFF4A8263)
YUV	109.7220, -5.2859, -31.3282
Hunter-Lab	42.9170, -20.4749, 9.6808

Details

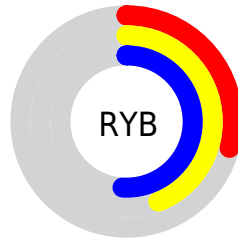
The CIELCh color **50, 28.254, 156.859** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **39, 29.266, 344.725**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.104, 157.303**, and **30, 28.285, 156.571** is the 20% darker color. If you saturate the color by 10%, you get **49, 34.313, 155.586**, and if you desaturate by 10%, it is **51, 21.892, 157.982**.

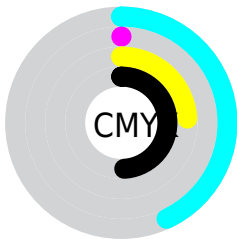
Distribution



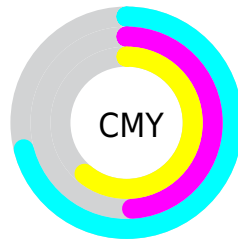
- Red (29%)
- Green (51%)
- Blue (39%)



- Red (29%)
- Yellow (44%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.254, 156.859 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, 28.254, 156.859 by changing the saturation by 10% instead.

 50, 28.254,
156.859


 50, 28.254,
156.859


 100, 28.254,
156.859


 40, 28.254,
156.859


 70, 28.254,
156.859

 30, 28.254,
156.859


 80, 28.254,
156.859


 20, 28.254,
156.859

 90, 28.254,
156.859

 10, 28.254,
156.859

 0, 28.254, 156.859

 50, 28.254,
156.859

 50, 28.254,
156.859

■ 49, 34.313,
155.586

■ 51, 21.892,
157.982

■ 49, 39.960,
154.144

■ 52, 15.330,
158.981

■ 48, 45.100,
152.514

■ 53, 8.667, 159.879

■ 48, 49.665,
150.690

■ 54, 1.983, 160.782

■ 55, 4.655, 341.296

■ 48, 53.630,
148.682

■ 57, 11.196,
341.983

■ 47, 56.209,
147.318

■ 58, 17.604,
342.590

■ 60, 23.854,
343.145

■ 62, 29.932,
343.659

Harmonies

Complementary

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



50, 28.254, 156.859



39, 29.266, 344.725

Rectangle

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



50, 28.254, 156.859



50, 28.254, 206.859



50, 28.254, 336.859



50, 28.254, 26.859

Sweetspot

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



50, 28.255, 156.858



67, 10.697, 159.853



51, 33.379, 124.685



34, 7.451, 159.688



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 28.255, 156.858



63, 41.497, 155.561



51, 19.763, 191.008



27, 3.816, 160.208



47, 56.125, 147.323



1, 0.914, 160.868

Inverse Universe

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



39, 29.266, 344.725



47, 43.075, 345.970



38, 25.533, 18.579



26, 3.852, 341.512



27, 52.325, 355.828



0, 0.914, 340.859

Previews

White Background



This preview shows how the CIE LCh color 50, 28.254, 156.859 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 28.254, 156.859 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, 28.254, 156.859

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.254, 156.859.



This preview shows how white text looks on a background with the CIELCh color 50, 28.254, 156.859.

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, 28.254, 156.859

Protanopia

50, 14.395, 94.283

Deuteranopia

50, 11.144, 55.122



Tritanopia
50, 15.653, 222.554

Trichromacy



Original Color
50, 28.254, 156.859

Protanomaly
49, 16.411, 130.813

Deuteranomaly
49, 10.906, 124.382

Tritanomaly
50, 17.194, 189.730

Monochromacy



Original Color
50, 28.254, 156.859

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 10.418, 159.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.254, 156.859 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(74, 130, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 99)  
}
```

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(74, 130, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.254, 156.859 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(74, 130, 99) }
```

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

```
.border{ border-color:rgb(74, 130, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.254, 156.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 99) }
```

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

```
.background{ background-color: rgb(74, 130,  
99) }
```

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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