

Converting Colors

CIELCh(56, 63.555, 117.029)

Have a look what the booklet for
CIELCh(56, 63.555, 117.029)
contains.

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Color

CIELCh(56, 63.747, 116.969)

Conversions

Conversions Part 1

Format	Color
Hex	70920E
RGB	112, 146, 14
RGB Percent	44%, 57%, 5%
CMY	0.5621, 0.4287, 0.9434
CMYK	0.23, 0.00, 0.90, 0.43
HSL	76°, 82%, 31%
HSV	76°, 90%, 57%
XYZ	16.9497, 23.9124, 4.1530
YIQ	120.7860, 22.1080, -48.2600

Conversions

Conversions Part 2

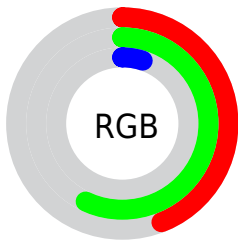
Format	Color
R_{YB}	14, 146, 48
Decimal	7377422
CIE _{Lab}	56.00, -28.91, 56.81
CIE _{LCh}	56, 63.747, 116.969
Yxy	23.9124, 0.3765, 0.5312
Android (android.graphics.Color)	4285567502 (0xFF70920E)
YUV	120.7860, -52.6455, -7.7053
Hunter-Lab	48.9003, -23.7043, 29.1948

Details

The CIELCh color **56, 63.747, 116.969** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 80.582, 307.698**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 64.035, 116.972**, and **36, 50.496, 122.440** is the 20% darker color. If you saturate the color by 10%, you get **56, 66.456, 117.599**, and if you desaturate by 10%, it is **56, 59.817, 116.620**.

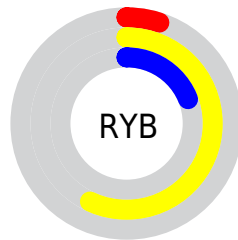
Distribution



Red (44%)

Green (57%)

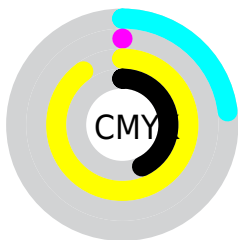
Blue (5%)



Red (5%)

Yellow (57%)

Blue (19%)

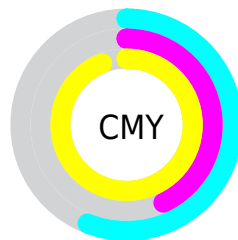


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (43%)



Cyan (56%)


Magenta (43%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 63.747, 116.969 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, 63.747, 116.969 by changing the saturation by 10% instead.


 56, 63.747,
116.969


 56, 63.747,
116.969


 100, 63.747,
116.969

 46, 63.747,
116.969


 76, 63.747,
116.969

 36, 63.747,
116.969

 86, 63.747,
116.969

 26, 63.747,
116.969

 96, 63.747,
116.969

 16, 63.747,
116.969

 6, 63.747, 116.969

 0, 63.747, 116.969

■ 56, 63.747,
116.969

■ 56, 63.747,
116.969

■ 56, 66.456,
117.599

■ 56, 59.817,
116.620

■ 57, 54.437,
116.624

■ 57, 47.957,
116.888

■ 57, 40.718,
117.322

■ 58, 32.986,
117.857

■ 59, 24.947,
118.446

■ 59, 16.729,
119.055

■ 60, 8.416, 119.665

Harmonies

Complementary

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



56, 63.747, 116.969



20, 80.582, 307.698

Rectangle

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



56, 63.747, 116.969



56, 63.747, 166.969



56, 63.747, 296.969



56, 63.747, 346.969

Sweetspot

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



56, 63.747, 116.971



74, 27.683, 118.600



34, 57.135, 45.488



39, 18.563, 118.419



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



56, 63.747, 116.971



71, 80.546, 117.866



53, 73.254, 133.483



31, 4.770, 119.717



53, 63.765, 117.533



2, 4.187, 120.258

Inverse Universe

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



20, 80.582, 307.698



25, 104.258, 307.823



29, 75.027, 319.541



29, 4.861, 300.826



16, 82.445, 308.036



0, 4.188, 300.257

Previews

White Background



This preview shows how the CIELCh color 56, 63.747, 116.969 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, 63.747, 116.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

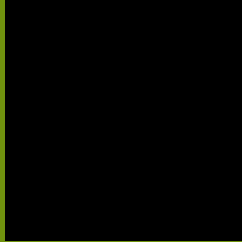
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 63.747, 116.969

Background



This preview shows how black text looks on a background with the CIELCh color 56, 63.747, 116.969.



This preview shows how white text looks on a background with the CIELCh color 56, 63.747, 116.969.

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](#).

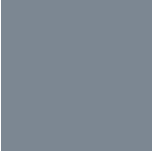
Dichromacy



Original Color
56, 63.930, 116.912

Protanopia
56, 59.148, 95.163

Deuteranopia
56, 54.982, 82.278



Tritanopia
56, 7.430, 257.451

Trichromacy



Original Color
56, 63.930, 116.912

Protanomaly
56, 59.569, 103.508

Deuteranomaly
55, 55.621, 96.567

Tritanomaly
55, 24.523, 126.422

Monochromacy



Original Color
56, 63.930, 116.912

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 27.724, 117.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 63.747, 116.969 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(112, 146, 14)` looks like.

```
.text, #text, p{  
    color:rgb(112, 146, 14)  
}
```

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(112, 146, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 146, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 63.747, 116.969 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(112, 146, 14) }
```

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

```
.border{ border-color:rgb(112, 146, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 146, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 146, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 146, 14);  
box-shadow:4px 4px 4px 4px rgb(112, 146,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 63.747, 116.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 146, 14) }
```

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

```
.background{ background-color: rgb(112,  
146, 14) }
```

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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