

Converting Colors

CIELCh(56, 73.845, 141.433)

Have a look what the booklet for
CIELCh(56, 73.845, 141.433)
contains.

CIELCh(56, 73.588, 141.072)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 73.588, 141.072)

Conversions

Conversions Part 1

Format	Color
Hex	009C2D
RGB	0, 156, 45
RGB Percent	0%, 61%, 18%
CMY	1.0000, 0.3888, 0.8241
CMYK	1.00, 0.00, 0.71, 0.39
HSL	137°, 100%, 31%
HSV	137°, 100%, 61%
XYZ	12.3281, 23.9124, 6.4339
YIQ	96.7020, -57.3450, -67.5930

Conversions

Conversions Part 2

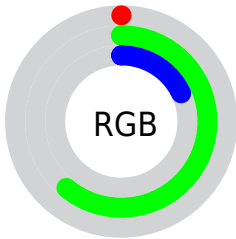
Format	Color
RYB	0, 121, 156
Decimal	39981
CIELab	56.00, -57.25, 46.24
CIELCh	56, 73.588, 141.072
Yxy	23.9124, 0.2889, 0.5603
Android (android.graphics.Color)	4278230061 (0xFF009C2D)
YUV	96.7020, -25.4891, -84.8077
Hunter-Lab	48.9003, -40.5747, 26.4294

Details

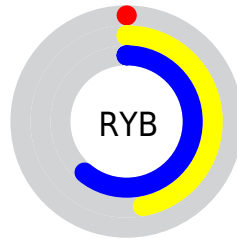
The CIELCh color **56, 73.588, 141.072** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **34, 64.565, 343.729**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 73.644, 141.074**, and **37, 61.541, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 73.568, 141.055**, and if you desaturate by 10%, it is **56, 69.086, 142.846**.

Distribution



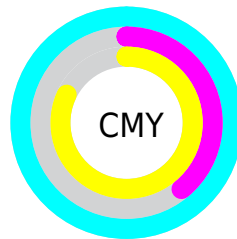
- Red (0%)
- Green (61%)
- Blue (18%)



- Red (0%)
- Yellow (47%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 73.588, 141.072 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, 73.588, 141.072 by changing the saturation by 10% instead.


 56, 73.588,
141.072


 56, 73.588,
141.072


 100, 73.588,
141.072


 46, 73.588,
141.072


 76, 73.588,
141.072

 36, 73.588,
141.072

 86, 73.588,
141.072

 26, 73.588,
141.072

 96, 73.588,
141.072

 16, 73.588,
141.072

 6, 73.588, 141.072

 0, 73.588, 141.072

■ 56, 73.588,
141.072

■ 56, 73.588,
141.072

■ 56, 73.568,
141.055

■ 56, 69.086,
142.846

■ 57, 63.751,
144.672

■ 57, 57.513,
146.366

■ 58, 50.481,
147.893

■ 58, 42.797,
149.243

■ 59, 34.620,
150.425

■ 60, 26.114,
151.455

■ 61, 17.426,

152.354

■ 63, 8.685, 153.149

Harmonies

Complementary

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



56, 73.588, 141.072



34, 64.565, 343.729

Rectangle

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



56, 73.588, 141.072



56, 73.588, 191.072



56, 73.588, 321.072



56, 73.588, 11.072

Sweetspot

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



56, 73.568, 141.055



76, 32.179, 151.400



59, 70.331, 118.881



40, 22.090, 151.010



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



56, 73.568, 141.055



71, 89.797, 140.660



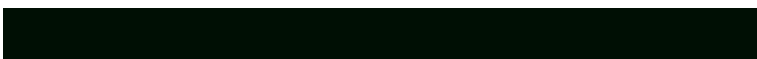
57, 43.809, 169.464



33, 4.966, 153.205



52, 68.754, 141.215



3, 6.552, 153.221

Inverse Universe

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



34, 64.565, 343.729



45, 77.814, 344.118



32, 63.240, 27.374



31, 4.990, 334.374



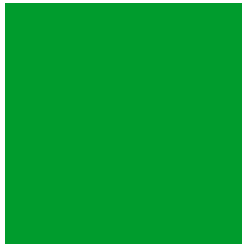
31, 60.649, 343.576



1, 6.318, 335.240

Previews

White Background



This preview shows how the CIELCh color 56, 73.588, 141.072 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 56, 73.588, 141.072 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, 73.588, 141.072

Background



This preview shows how black text looks on a background with the CIELCh color 56, 73.588, 141.072.



This preview shows how white text looks on a background with the CIELCh color 56, 73.588, 141.072.

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, 73.588, 141.072

Protanopia
56, 50.673, 95.474

Deuteranopia
56, 44.395, 80.626



Tritanopia
56, 25.032, 213.404

Trichromacy



Original Color
56, 73.588, 141.072



Protanomaly
54, 56.760, 125.068



Deuteranomaly
53, 48.418, 121.109



Tritanomaly
55, 39.275, 167.014

Monochromacy



Original Color
56, 73.588, 141.072



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 32.556, 149.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 73.588, 141.072 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(0, 156, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 45)  
}
```

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(0, 156, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 73.588, 141.072 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(0, 156, 45) }
```

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

```
.border{ border-color:rgb(0, 156, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 73.588, 141.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 45) }
```

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

```
.background{ background-color: rgb(0, 156,  
45) }
```

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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