

Converting Colors

CIELCh(56, 69.331, 138.271)

Have a look what the booklet for
CIELCh(56, 69.331, 138.271)
contains.

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Color

CIELCh(56, 69.108, 138.386)

Conversions

Conversions Part 1

Format	Color
Hex	2D9A2E
RGB	45, 154, 46
RGB Percent	18%, 60%, 18%
CMY	0.8229, 0.3956, 0.8191
CMYK	0.71, 0.00, 0.70, 0.40
HSL	121°, 55%, 39%
HSV	121°, 71%, 60%
XYZ	13.1614, 23.9124, 6.5193
YIQ	109.0970, -30.2960, -56.6960

Conversions

Conversions Part 2

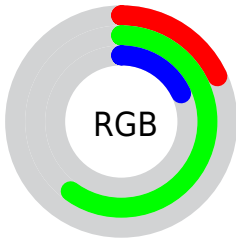
Format	Color
RYB	45, 153, 154
Decimal	2988590
CIELab	56.00, -51.67, 45.90
CIElCh	56, 69.108, 138.386
Yxy	23.9124, 0.3019, 0.5485
Android (android.graphics.Color)	4281178670 (0xFF2D9A2E)
YUV	109.0970, -31.1068, -56.2131
Hunter-Lab	48.9003, -37.5327, 26.3258

Details

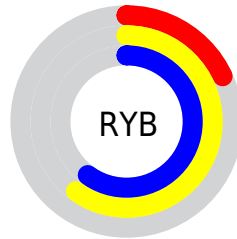
The CIELCh color **56, 69.108, 138.386** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **40, 67.850, 328.025**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 68.703, 138.411**, and **37, 60.699, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 75.313, 137.363**, and if you desaturate by 10%, it is **57, 61.332, 139.510**.

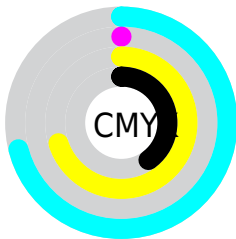
Distribution



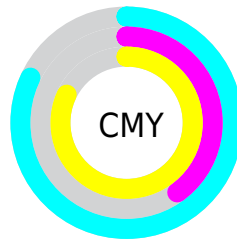
- Red (18%)
- Green (60%)
- Blue (18%)



- Red (18%)
- Yellow (60%)
- Blue (60%)



- Cyan (71%)
- Magenta (0%)
- Yellow (70%)
- Black (40%)





- Cyan (82%)
- Magenta (40%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 69.108, 138.386 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, 69.108, 138.386 by changing the saturation by 10% instead.


 56, 69.108,
138.386


 56, 69.108,
138.386

 100, 69.108,
138.386


 46, 69.108,
138.386


 76, 69.108,
138.386

 36, 69.108,
138.386

 86, 69.108,
138.386

 26, 69.108,
138.386

 96, 69.108,
138.386

 16, 69.108,
138.386

 6, 69.108, 138.386

 0, 69.108, 138.386

■ 56, 69.108,
138.386

■ 56, 69.108,
138.386

■ 56, 75.313,
137.363

■ 57, 61.332,
139.510

■ 55, 79.586,
136.575

■ 57, 52.383,
140.622

■ 55, 82.067,
136.105

■ 58, 42.623,
141.654

■ 59, 32.355,
142.574

■ 61, 21.828,
143.377

■ 62, 11.233,
144.072

■ 64, 0.717, 144.937

■ 65, 9.620, 325.111

■ 67, 19.706,
325.544

Harmonies

Complementary

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



56, 69.108, 138.386



40, 67.850, 328.025

Rectangle

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



56, 69.108, 138.386



56, 69.108, 188.386



56, 69.108, 318.386



56, 69.108, 8.386

Sweetspot

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



56, 69.108, 138.387



77, 27.554, 143.323



62, 55.775, 103.986



41, 18.802, 143.126



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, 69.108, 138.387



71, 95.270, 136.853



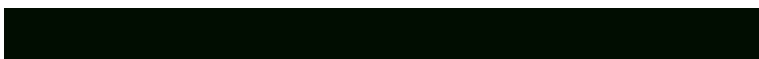
57, 47.878, 155.346



32, 5.896, 144.168



50, 76.582, 136.116



3, 6.348, 144.673

Inverse Universe

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



40, 67.850, 328.025



49, 92.254, 328.404



37, 50.174, 352.509



30, 5.905, 325.148



33, 73.573, 328.576



1, 6.343, 324.705

Previews

White Background



This preview shows how the CIELCh color 56, 69.108, 138.386 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, 69.108, 138.386 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, 69.108, 138.386

Background



This preview shows how black text looks on a background with the CIELCh color 56, 69.108, 138.386.



This preview shows how white text looks on a background with the CIELCh color 56, 69.108, 138.386.

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, 69.108, 138.386

Protanopia

56, 49.803, 95.980

Deuteranopia

56, 43.719, 80.989



Tritanopia
56, 22.508, 215.482

Trichromacy



Original Color
56, 69.108, 138.386



Protanomaly
55, 53.214, 118.707



Deuteranomaly
54, 46.375, 113.633



Tritanomaly
56, 34.718, 164.373

Monochromacy



Original Color
56, 69.108, 138.386



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 27.872, 142.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 69.108, 138.386 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(45, 154, 46)` looks like.

```
.text, #text, p{  
    color:rgb(45, 154, 46)  
}
```

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(45, 154, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 154, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 69.108, 138.386 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(45, 154, 46) }
```

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

```
.border{ border-color:rgb(45, 154, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 154, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 154, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 154, 46);  
box-shadow:4px 4px 4px 4px rgb(45, 154,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 69.108, 138.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 154, 46) }
```

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

```
.background{ background-color: rgb(45, 154,  
46) }
```

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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