

Converting Colors

CIELCh(56, 75.270, 129.069)

Have a look what the booklet for
CIELCh(56, 75.270, 129.069)
contains.

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Color

CIELCh(56, 75.328, 129.144)

Conversions

Conversions Part 1

Format	Color
Hex	459900
RGB	69, 153, 0
RGB Percent	27%, 60%, 0%
CMY	0.7275, 0.4018, 1.0000
CMYK	0.54, 0.00, 1.00, 0.40
HSL	93°, 100%, 30%
HSV	93°, 100%, 60%
XYZ	13.7996, 23.9124, 3.8627
YIQ	110.4420, -0.9510, -65.3910

Conversions

Conversions Part 2

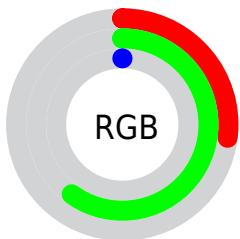
Format	Color
RYB	0, 153, 84
Decimal	4561152
CIELab	56.00, -47.55, 58.42
CIELCh	56, 75.328, 129.144
Yxy	23.9124, 0.3319, 0.5752
Android (android.graphics.Color)	4282751232 (0xFF459900)
YUV	110.4420, -54.4479, -36.3446
Hunter-Lab	48.9003, -35.2031, 29.5468

Details

The CIELCh color **56, 75.328, 129.144** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **24, 84.103, 313.124**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 75.457, 129.206**, and **37, 60.699, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 75.205, 129.199**, and if you desaturate by 10%, it is **56, 71.756, 128.406**.

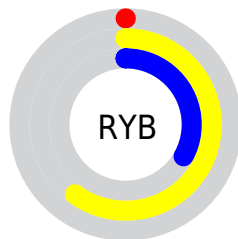
Distribution



Red (27%)

Green (60%)

Blue (0%)



Red (0%)

Yellow (60%)

Blue (33%)

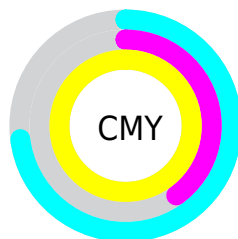


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (73%)


Magenta (40%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 75.328, 129.144 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, 75.328, 129.144 by changing the saturation by 10% instead.


 56, 75.328,
129.144


 56, 75.328,
129.144


 100, 75.328,
129.144


 46, 75.328,
129.144


 76, 75.328,
129.144

 36, 75.328,
129.144

 86, 75.328,
129.144

 26, 75.328,
129.144

 96, 75.328,
129.144

 16, 75.328,
129.144

 6, 75.328, 129.144

 0, 75.328, 129.144

■ 56, 75.328,
129.144

■ 56, 75.328,
129.144

■ 56, 75.205,
129.199

■ 56, 71.756,
128.406

■ 57, 66.986,
127.913

■ 57, 60.714,
127.819

■ 58, 53.307,
128.004

■ 59, 45.122,
128.358

■ 59, 36.440,
128.798

■ 60, 27.464,
129.271

■ 61, 18.336,

129.743

■ 62, 9.155, 130.200

Harmonies

Complementary

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



56, 75.328, 129.144



24, 84.103, 313.124

Rectangle

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



56, 75.328, 129.144



56, 75.328, 179.144



56, 75.328, 309.144



56, 75.328, 359.144

Sweetspot

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



56, 75.205, 129.199



77, 34.088, 129.242



42, 57.240, 64.003



40, 23.162, 129.059



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, 75.205, 129.199



72, 91.834, 129.520



55, 80.950, 136.356



32, 5.185, 130.234



52, 70.645, 129.080



3, 5.617, 130.868

Inverse Universe

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



24, 84.103, 313.124



33, 102.556, 312.900



36, 76.753, 329.581



30, 5.248, 310.982



22, 79.045, 313.207



1, 5.597, 310.292

Previews

White Background



This preview shows how the CIELCh color 56, 75.328, 129.144 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, 75.328, 129.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

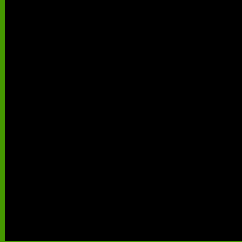
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 75.328, 129.144

Background



This preview shows how black text looks on a background with the CIELCh color 56, 75.328, 129.144.



This preview shows how white text looks on a background with the CIELCh color 56, 75.328, 129.144.

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, 75.479, 129.338

Protanopia

56, 60.674, 95.174

Deuteranopia

56, 54.113, 82.566



Tritanopia
56, 17.739, 218.922

Trichromacy



Original Color
56, 75.479, 129.338

Protanomaly
55, 63.179, 111.246

Deuteranomaly
55, 57.011, 105.166

Tritanomaly
55, 36.900, 147.404

Monochromacy



Original Color
56, 75.479, 129.338

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 33.982, 128.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 75.328, 129.144 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(69, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 153, 0)  
}
```

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(69, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 75.328, 129.144 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(69, 153, 0) }
```

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

```
.border{ border-color:rgb(69, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(69, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(69, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 75.328, 129.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 153, 0) }
```

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

```
.background{ background-color: rgb(69, 153,  
0) }
```

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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