

Converting Colors

CIELCh(56, 74.748, 137.249)

Have a look what the booklet for
CIELCh(56, 74.748, 137.249)
contains.

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Color

CIELCh(56, 74.757, 137.300)

Conversions

Conversions Part 1

Format	Color
Hex	229B21
RGB	34, 155, 33
RGB Percent	13%, 61%, 13%
CMY	0.8663, 0.3919, 0.8703
CMYK	0.78, 0.00, 0.79, 0.39
HSL	119°, 65%, 37%
HSV	119°, 79%, 61%
XYZ	12.6682, 23.9124, 5.3911
YIQ	104.9130, -32.9540, -63.5940

Conversions

Conversions Part 2

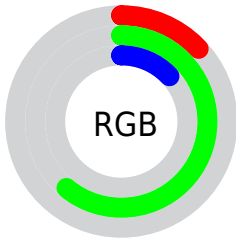
Format	Color
RYB	33, 155, 154
Decimal	2267937
CIELab	56.00, -54.94, 50.70
CIElCh	56, 74.757, 137.300
Yxy	23.9124, 0.3018, 0.5697
Android (android.graphics.Color)	4280458017 (0xFF229B21)
YUV	104.9130, -35.4531, -62.1907
Hunter-Lab	48.9003, -39.3330, 27.6936

Details

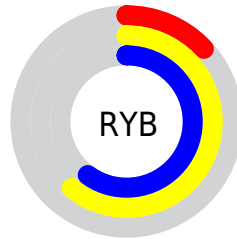
The CIELCh color **56, 74.757, 137.300** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 73.106, 327.667**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 75.032, 137.248**, and **37, 61.120, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **56, 79.409, 136.537**, and if you desaturate by 10%, it is **56, 68.188, 138.294**.

Distribution



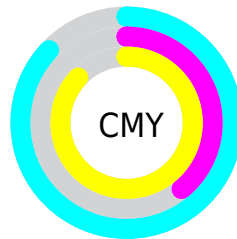
- Red (13%)
- Green (61%)
- Blue (13%)



- Red (13%)
- Yellow (61%)
- Blue (60%)



- Cyan (78%)
- Magenta (0%)
- Yellow (79%)
- Black (39%)



- Cyan (87%)
- Magenta (39%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 74.757, 137.300 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, 74.757, 137.300 by changing the saturation by 10% instead.


 56, 74.757,
137.300


 56, 74.757,
137.300


 100, 74.757,
137.300


 46, 74.757,
137.300


 76, 74.757,
137.300

 36, 74.757,
137.300

 86, 74.757,
137.300

 26, 74.757,
137.300

 96, 74.757,
137.300

 16, 74.757,
137.300

 6, 74.757, 137.300

 0, 74.757, 137.300

■ 56, 74.757,
137.300

■ 56, 74.757,
137.300

■ 56, 79.409,
136.537

■ 56, 68.188,
138.294

■ 56, 82.215,
136.039

■ 57, 60.092,
139.378

■ 56, 82.559,
135.973

■ 58, 50.881,
140.448

■ 59, 40.914,
141.437

■ 60, 30.491,
142.318

■ 61, 19.850,
143.086

■ 63, 9.175, 143.754

■ 64, 1.398, 324.137

■ 66, 11.774,
324.744

Harmonies

Complementary

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



56, 74.757, 137.300



38, 73.106, 327.667

Rectangle

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



56, 74.757, 137.300



56, 74.757, 187.300



56, 74.757, 317.300



56, 74.757, 7.300

Sweetspot

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



56, 74.757, 137.301



77, 31.599, 142.655



62, 59.541, 102.653



40, 21.875, 142.390



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, 74.757, 137.301



71, 98.865, 136.195



57, 52.986, 153.046



32, 5.915, 143.720



50, 76.717, 135.968



3, 6.368, 144.225

Inverse Universe

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



38, 73.106, 327.667



48, 95.657, 327.876



36, 54.212, 353.180



30, 5.925, 324.686



33, 74.093, 327.909



1, 6.366, 324.186

Previews

White Background



This preview shows how the CIELCh color 56, 74.757, 137.300 looks on a white background.

Color Contrast Check

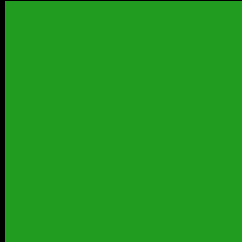
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.757, 137.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

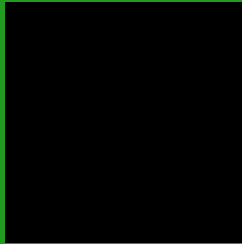
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 74.757, 137.300

Background



This preview shows how black text looks on a background with the CIELCh color 56, 74.757, 137.300.



This preview shows how white text looks on a background with the CIELCh color 56, 74.757, 137.300.

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, 74.757, 137.300

Protanopia

56, 54.563, 95.578

Deuteranopia

56, 48.547, 81.516



Tritanopia
56, 23.383, 214.719

Trichromacy



Original Color
56, 74.757, 137.300



Protanomaly
55, 58.640, 118.612



Deuteranomaly
54, 51.182, 113.321



Tritanomaly
55, 37.796, 161.922

Monochromacy



Original Color
56, 74.757, 137.300



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 31.472, 141.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 74.757, 137.300 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(34, 155, 33)` looks like.

```
.text, #text, p{  
    color:rgb(34, 155, 33)  
}
```

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(34, 155, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 155, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 74.757, 137.300 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(34, 155, 33) }
```

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

```
.border{ border-color:rgb(34, 155, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 155, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 155, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 155, 33);  
box-shadow:4px 4px 4px 4px rgb(34, 155,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 74.757, 137.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 155, 33) }
```

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

```
.background{ background-color: rgb(34, 155,  
33) }
```

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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