

Converting Colors

CIELCh(61, 82.879, 134.443)

Have a look what the booklet for
CIELCh(61, 82.879, 134.443)
contains.

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Color

CIELCh(61, 83.016, 134.472)

Conversions

Conversions Part 1

Format	Color
Hex	2FAA12
RGB	47, 170, 18
RGB Percent	18%, 67%, 7%
CMY	0.8142, 0.3350, 0.9282
CMYK	0.72, 0.00, 0.89, 0.33
HSL	108°, 81%, 37%
HSV	108°, 89%, 67%
XYZ	15.5969, 29.2481, 5.4084
YIQ	115.8950, -24.5160, -73.3480

Conversions

Conversions Part 2

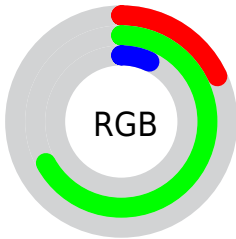
Format	Color
R_{YB}	18, 170, 141
Decimal	3123730
CIE _{Lab}	61.00, -58.16, 59.24
CIE _{LCh}	61, 83.016, 134.472
Yxy	29.2481, 0.3104, 0.5820
Android (android.graphics.Color)	4281313810 (0xFF2FAA12)
YUV	115.8950, -48.2622, -60.4209
Hunter-Lab	54.0815, -43.1641, 31.9278

Details

The CIELCh color **61, 83.016, 134.472** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 83.500, 321.418**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 82.915, 134.498**, and **42, 66.952, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 86.425, 134.679**, and if you desaturate by 10%, it is **61, 77.724, 134.547**.

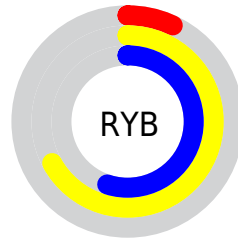
Distribution



Red (18%)

Green (67%)

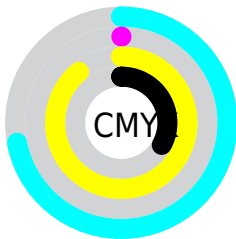
Blue (7%)



Red (7%)

Yellow (67%)

Blue (55%)

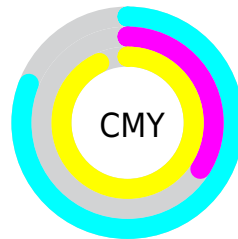


Cyan (72%)

Magenta (0%)

Yellow (89%)

Black (33%)



Cyan (81%)

Magenta (34%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 83.016, 134.472 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 61, 83.016, 134.472 by changing the saturation by 10% instead.

 61, 83.016,
134.472


 61, 83.016,
134.472


 100, 83.016,
134.472


 51, 83.016,
134.472


 81, 83.016,
134.472

 41, 83.016,
134.472

 91, 83.016,
134.472

 31, 83.016,
134.472

 21, 83.016,
134.472

 11, 83.016,
134.472

 1, 83.016, 134.472

 0, 83.016, 134.472

■ 61, 83.016,
134.472

■ 61, 83.016,
134.472

■ 61, 86.425,
134.679

■ 61, 77.724,
134.547

■ 61, 86.667,
134.684

■ 62, 70.560,
134.939

■ 63, 61.962,
135.526

■ 63, 52.364,
136.198

■ 64, 42.119,
136.878

■ 65, 31.499,
137.522

■ 67, 20.704,
138.111

■ 68, 9.883, 138.641

Harmonies

Complementary

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



61, 83.016, 134.472



36, 83.500, 321.418

Rectangle

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



61, 83.016, 134.472



61, 83.016, 184.472



61, 83.016, 314.472



61, 83.016, 4.472

Sweetspot

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



61, 83.016, 134.473



83, 35.904, 137.629



59, 60.525, 89.536



43, 24.145, 137.428



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 83.016, 134.473



77, 105.204, 134.844



61, 72.748, 143.285



35, 6.038, 138.637



53, 78.271, 134.578



5, 11.083, 139.835

Inverse Universe

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



36, 83.500, 321.418



45, 105.006, 320.901



39, 66.993, 342.845



33, 6.071, 319.429



30, 78.336, 321.094



2, 10.808, 317.231

Previews

White Background



This preview shows how the CIELCh color 61, 83.016, 134.472 looks on a white background.

Color Contrast Check

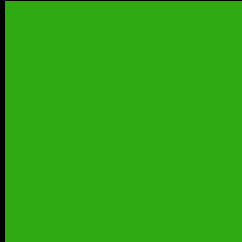
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 83.016, 134.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

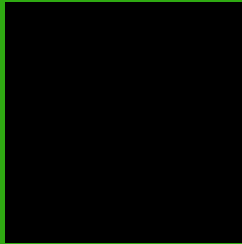
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 83.016, 134.472

Background



This preview shows how black text looks on a background with the CIELCh color 61, 83.016, 134.472.



This preview shows how white text looks on a background with the CIELCh color 61, 83.016, 134.472.

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

61, 83.287, 134.498

Protanopia

60, 63.419, 94.905

Deuteranopia

61, 56.250, 82.432



Tritanopia
61, 24.001, 214.022

Trichromacy



Original Color
61, 83.287, 134.498



Protanomaly
60, 67.052, 115.720



Deuteranomaly
59, 59.240, 110.599



Tritanomaly
60, 41.941, 156.990

Monochromacy



Original Color
61, 83.287, 134.498



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 36.224, 136.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 83.016, 134.472 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(47, 170, 18)` looks like.

```
.text, #text, p{  
    color:rgb(47, 170, 18)  
}
```

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(47, 170, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 170, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 83.016, 134.472 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(47, 170, 18) }
```

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

```
.border{ border-color:rgb(47, 170, 18) }
```

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

Here you see how a box with a 4 pixel rgb(47, 170, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 170, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 170, 18);  
box-shadow:4px 4px 4px 4px rgb(47, 170,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 83.016, 134.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 170, 18) }
```

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

```
.background{ background-color: rgb(47, 170,  
18) }
```

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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