

Converting Colors

CIELCh(61, 64.828, 113.028)

Have a look what the booklet for
CIELCh(61, 64.828, 113.028)
contains.

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Color

CIELCh(61, 64.738, 112.827)

Conversions

Conversions Part 1

Format	Color
Hex	859D17
RGB	133, 157, 23
RGB Percent	52%, 62%, 9%
CMY	0.4776, 0.3835, 0.9086
CMYK	0.15, 0.00, 0.85, 0.38
HSL	71°, 74%, 35%
HSV	71°, 85%, 62%
XYZ	21.9541, 29.2481, 5.3145
YIQ	134.5480, 28.7100, -46.7620

Conversions

Conversions Part 2

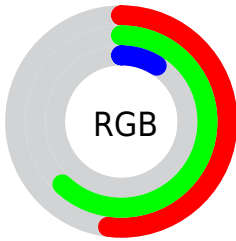
Format	Color
R_{YB}	23, 157, 47
Decimal	8756503
CIE Lab	61.00, -25.12, 59.67
CIE LCh	61, 64.738, 112.827
Yxy	29.2481, 0.3885, 0.5175
Android (android.graphics.Color)	4286946583 (0xFF859D17)
YUV	134.5480, -54.9932, -1.3576
Hunter-Lab	54.0815, -22.1816, 32.0308

Details

The CIELCh color **61, 64.738, 112.827** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 82.995, 306.314**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 65.106, 113.053**, and **41, 52.703, 116.958** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.753, 113.201**, and if you desaturate by 10%, it is **61, 60.021, 112.804**.

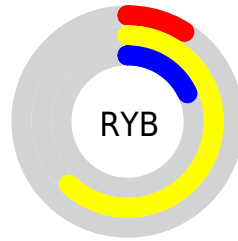
Distribution



Red (52%)

Green (62%)

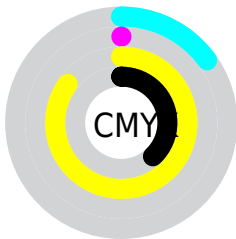
Blue (9%)



Red (9%)

Yellow (62%)

Blue (18%)

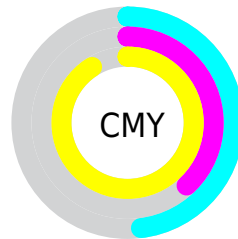


Cyan (15%)

Magenta (0%)

Yellow (85%)

Black (38%)



Cyan (48%)


Magenta (38%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 64.738, 112.827 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, 64.738, 112.827 by changing the saturation by 10% instead.


 61, 64.738,
112.827


 61, 64.738,
112.827


 100, 64.738,
112.827


 51, 64.738,
112.827


 81, 64.738,
112.827

 41, 64.738,
112.827

 91, 64.738,
112.827

 31, 64.738,
112.827

 21, 64.738,
112.827

 11, 64.738,
112.827

 1, 64.738, 112.827

 0, 64.738, 112.827

■ 61, 64.738,
112.827

■ 61, 64.738,
112.827

■ 61, 67.753,
113.201

■ 61, 60.021,
112.804

■ 61, 68.926,
113.429

■ 62, 53.885,
113.060

■ 62, 46.723,
113.514

■ 62, 38.875,
114.095

■ 63, 30.591,
114.750

■ 63, 22.039,
115.442

■ 64, 13.334,
116.144

■ 64, 4.552, 116.839

Harmonies

Complementary

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



61, 64.738, 112.827



23, 82.995, 306.314

Rectangle

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



61, 64.738, 112.827



61, 64.738, 162.827



61, 64.738, 292.827



61, 64.738, 342.827

Sweetspot

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



61, 64.738, 112.829



80, 28.121, 115.350



36, 59.745, 41.036



42, 18.983, 115.128



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



61, 64.738, 112.829



77, 83.685, 113.619



58, 73.882, 131.547



33, 4.995, 116.558



55, 64.228, 113.348



4, 6.584, 118.373

Inverse Universe

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



23, 82.995, 306.314



26, 111.748, 307.051



31, 78.070, 317.115



31, 5.097, 297.859



16, 85.634, 307.224



0, 6.560, 296.832

Previews

White Background



This preview shows how the CIELCh color 61, 64.738, 112.827 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 61, 64.738, 112.827 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, 64.738, 112.827

Background



This preview shows how black text looks on a background with the CIELCh color 61, 64.738, 112.827.



This preview shows how white text looks on a background with the CIELCh color 61, 64.738, 112.827.

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, 64.738, 112.827

Protanopia

61, 61.611, 94.925

Deuteranopia

61, 58.371, 82.004



Tritanopia
61, 6.769, 287.773

Trichromacy



Original Color
61, 64.738, 112.827

Protanomaly
61, 62.072, 101.940

Deuteranomaly
61, 58.417, 94.352

Tritanomaly
60, 23.113, 116.979

Monochromacy



Original Color
61, 64.738, 112.827

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 27.619, 115.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 64.738, 112.827 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(133, 157, 23)` looks like.

```
.text, #text, p{  
    color:rgb(133, 157, 23)  
}
```

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(133, 157, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 157, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 64.738, 112.827 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(133, 157, 23) }
```

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

```
.border{ border-color:rgb(133, 157, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 157, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 157, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 157, 23);  
box-shadow:4px 4px 4px 4px rgb(133, 157,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 64.738, 112.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 157, 23) }
```

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

```
.background{ background-color: rgb(133,  
157, 23) }
```

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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