

Converting Colors

CIELCh(62, 77.019, 127.143)

Have a look what the booklet for
CIELCh(62, 77.019, 127.143)
contains.

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Color

CIELCh(62, 76.925, 127.155)

Conversions

Conversions Part 1

Format	Color
Hex	5BA80F
RGB	91, 168, 15
RGB Percent	36%, 66%, 6%
CMY	0.6418, 0.3399, 0.9425
CMYK	0.46, 0.00, 0.91, 0.34
HSL	90°, 84%, 36%
HSV	90°, 91%, 66%
XYZ	18.4962, 30.4025, 5.3324
YIQ	127.5350, 3.2210, -63.9070

Conversions

Conversions Part 2

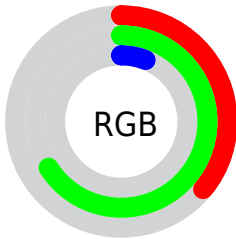
Format	Color
RYB	15, 168, 92
Decimal	6006799
CIELab	62.00, -46.46, 61.31
CIELCh	62, 76.925, 127.155
Yxy	30.4025, 0.3411, 0.5606
Android (android.graphics.Color)	4284196879 (0xFF5BA80F)
YUV	127.5350, -55.4798, -32.0412
Hunter-Lab	55.1385, -36.6147, 32.8630

Details

The CIELCh color **62, 76.925, 127.155** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 87.515, 312.388**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 77.044, 127.174**, and **42, 64.452, 133.595** is the 20% darker color. If you saturate the color by 10%, you get **62, 79.863, 127.963**, and if you desaturate by 10%, it is **62, 72.206, 126.533**.

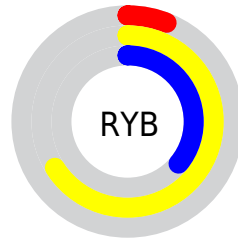
Distribution



Red (36%)

Green (66%)

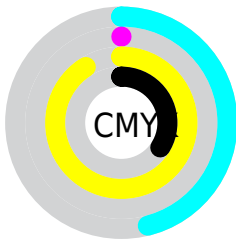
Blue (6%)



Red (6%)

Yellow (66%)

Blue (36%)

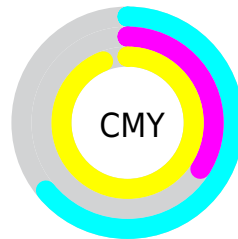


Cyan (46%)

Magenta (0%)

Yellow (91%)

Black (34%)



Cyan (64%)


Magenta (34%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 76.925, 127.155 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 62, 76.925, 127.155 by changing the saturation by 10% instead.


 62, 76.925,
127.155


 62, 76.925,
127.155


 100, 76.925,
127.155


 52, 76.925,
127.155


 82, 76.925,
127.155

 42, 76.925,
127.155

 92, 76.925,
127.155

 32, 76.925,
127.155

 22, 76.925,
127.155

 12, 76.925,
127.155

 2, 76.925, 127.155

 0, 76.925, 127.155

■ 62, 76.925,
127.155

■ 62, 76.925,
127.155

■ 62, 79.863,
127.963

■ 62, 72.206,
126.533

■ 63, 65.796,
126.340

■ 64, 58.078,
126.460

■ 64, 49.451,
126.776

■ 65, 40.240,
127.199

■ 66, 30.676,
127.670

■ 67, 20.921,
128.150

■ 68, 11.088,

128.619

■ 69, 1.256, 129.131

Harmonies

Complementary

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



62, 76.925, 127.155



28, 87.515, 312.388

Rectangle

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



62, 76.925, 127.155



62, 76.925, 177.155



62, 76.925, 307.155



62, 76.925, 357.155

Sweetspot

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



62, 76.925, 127.156



84, 32.868, 127.852



47, 58.352, 62.884



44, 22.091, 127.696



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 76.925, 127.156



79, 97.554, 128.261



60, 85.525, 136.407



35, 5.555, 128.711



55, 72.498, 127.787



5, 10.313, 131.493

Inverse Universe

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



28, 87.515, 312.388



35, 111.462, 311.792



40, 82.835, 328.158



33, 5.629, 309.499



22, 82.962, 312.118



1, 10.007, 306.626

Previews

White Background



This preview shows how the CIELCh color 62, 76.925, 127.155 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 76.925, 127.155 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 ✓ Pass

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

CIELCh 62, 76.925, 127.155

Background



This preview shows how black text looks on a background with the CIELCh color 62, 76.925, 127.155.



This preview shows how white text looks on a background with the CIELCh color 62, 76.925, 127.155.

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
62, 76.779, 127.214

Protanopia
61, 65.564, 95.061

Deuteranopia
61, 58.742, 82.224



Tritanopia
62, 16.454, 222.542

Trichromacy



Original Color
62, 76.779, 127.214

Protanomaly
61, 66.920, 109.169

Deuteranomaly
61, 60.282, 102.971

Tritanomaly
61, 34.780, 146.417

Monochromacy



Original Color
62, 76.779, 127.214

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 33.464, 127.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 76.925, 127.155 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(91, 168, 15)` looks like.

```
.text, #text, p{  
    color:rgb(91, 168, 15)  
}
```

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(91, 168, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 168, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 76.925, 127.155 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(91, 168, 15) }
```

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

```
.border{ border-color:rgb(91, 168, 15) }
```

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

Here you see how a box with a 4 pixel rgb(91, 168, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 168, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 168, 15);  
box-shadow:4px 4px 4px 4px rgb(91, 168,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 76.925, 127.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 168, 15) }
```

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

```
.background{ background-color: rgb(91, 168,  
15) }
```

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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