

Converting Colors

CIELCh(62, 70.831, 100.233)

Have a look what the booklet for
CIELCh(62, 70.831, 100.233)
contains.

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Color

CIELCh(62, 66.554, 100.460)

Conversions

Conversions Part 1

Format	Color
Hex	A09A00
RGB	160, 154, 0
RGB Percent	63%, 60%, 0%
CMY	0.3743, 0.3977, 1.0000
CMYK	0.00, 0.04, 1.00, 0.37
HSL	58°, 100%, 31%
HSV	58°, 100%, 63%
XYZ	25.8918, 30.4025, 4.4779
YIQ	138.2380, 53.0100, -46.6220

Conversions

Conversions Part 2

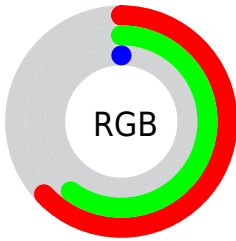
Format	Color
RYB	6, 160, 0
Decimal	10525184
CIELab	62.00, -12.08, 65.45
CIELCh	62, 66.554, 100.460
Yxy	30.4025, 0.4260, 0.5003
Android (android.graphics.Color)	4288715264 (0xFFA09A00)
YUV	138.2380, -68.1513, 19.0853
Hunter-Lab	55.1385, -12.6728, 33.7819

Details

The CIELCh color **62, 66.554, 100.460** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **19, 92.430, 305.751**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 66.517, 100.558**, and **42, 49.792, 102.280** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.425, 100.471**, and if you desaturate by 10%, it is **62, 64.237, 100.889**.

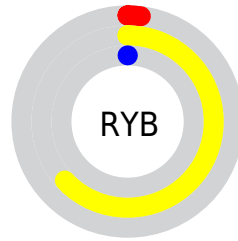
Distribution



Red (63%)

Green (60%)

Blue (0%)



Red (2%)

Yellow (63%)

Blue (0%)

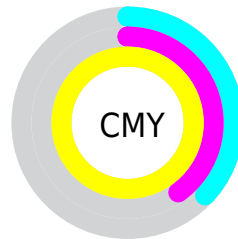


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 66.554, 100.460 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, 66.554, 100.460 by changing the saturation by 10% instead.


 62, 66.554,
100.460


 62, 66.554,
100.460


 100, 66.554,
100.460


 52, 66.554,
100.460


 82, 66.554,
100.460

 42, 66.554,
100.460

 92, 66.554,
100.460

 32, 66.554,
100.460

 22, 66.554,
100.460

 12, 66.554,
100.460

 2, 66.554, 100.460

 0, 66.554, 100.460

■ 62, 66.554,
100.460

■ 62, 66.554,
100.460

■ 62, 66.425,
100.471

■ 62, 64.237,
100.889

■ 62, 60.582,
101.428

■ 63, 55.285,
102.110

■ 63, 48.758,
102.910

■ 63, 41.402,
103.795

■ 64, 33.523,
104.736

■ 64, 25.329,
105.709

■ 65, 16.956,

106.694

■ 65, 8.493, 107.674

Harmonies

Complementary

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



62, 66.554, 100.460



19, 92.430, 305.751

Rectangle

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



62, 66.554, 100.460



62, 66.554, 150.460



62, 66.554, 280.460



62, 66.554, 330.460

Sweetspot

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



62, 66.425, 100.471



81, 31.245, 105.654



33, 71.396, 37.653



43, 21.432, 105.266



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



62, 66.425, 100.471



78, 80.420, 100.425



59, 75.461, 126.108



33, 4.766, 107.747



56, 61.260, 100.494



4, 6.205, 108.271

Inverse Universe

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



19, 92.430, 305.751



26, 112.548, 305.896



23, 88.717, 310.945



31, 4.861, 289.611



16, 84.990, 305.676



0, 6.275, 288.731

Previews

White Background



This preview shows how the CIELCh color 62, 66.554, 100.460 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 CIE LCh color 62, 66.554, 100.460 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, 66.554, 100.460

Background



This preview shows how black text looks on a background with the CIELCh color 62, 66.554, 100.460.



This preview shows how white text looks on a background with the CIELCh color 62, 66.554, 100.460.

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, 66.554, 100.460

Protanopia

62, 65.877, 95.108

Deuteranopia

62, 63.241, 82.820



Tritanopia
62, 11.856, 349.381

Trichromacy



Original Color
62, 66.554, 100.460

Protanomaly
62, 65.941, 96.765

Deuteranomaly
62, 63.798, 89.466

Tritanomaly
62, 28.523, 90.105

Monochromacy



Original Color
62, 66.554, 100.460

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 31.061, 104.923

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 66.554, 100.460 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(160, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 154, 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(160, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 154, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 66.554, 100.460 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(160, 154, 0) }
```

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

```
.border{ border-color:rgb(160, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 154,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 66.554, 100.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 154, 0) }
```

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

```
.background{ background-color: rgb(160,  
154, 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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