

Converting Colors

CIELCh(53, 63.185, 115.377)

Have a look what the booklet for
CIELCh(53, 63.185, 115.377)
contains.

CIELCh(53, 62.874, 115.453)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 62.874, 115.453)

Conversions

Conversions Part 1

Format	Color
Hex	6B8900
RGB	107, 137, 0
RGB Percent	42%, 54%, 0%
CMY	0.5801, 0.4624, 0.9994
CMYK	0.22, 0.00, 1.00, 0.46
HSL	73°, 100%, 27%
HSV	73°, 100%, 54%
XYZ	15.0318, 21.0462, 3.2743
YIQ	112.4120, 26.0970, -48.9670

Conversions

Conversions Part 2

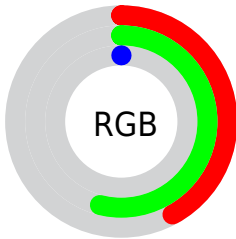
Format	Color
RYB	0, 137, 30
Decimal	7047424
CIELab	53.00, -27.02, 56.77
CIElCh	53, 62.874, 115.453
Yxy	21.0462, 0.3820, 0.5348
Android (android.graphics.Color)	4285237504 (0xFF6B8900)
YUV	112.4120, -55.4191, -4.7463
Hunter-Lab	45.8761, -21.7957, 27.8816

Details

The CIELCh color **53, 62.874, 115.453** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **16, 82.599, 307.600**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 62.843, 115.283**, and **33, 47.288, 121.791** is the 20% darker color. If you saturate the color by 10%, you get **53, 62.905, 115.460**, and if you desaturate by 10%, it is **53, 60.226, 114.960**.

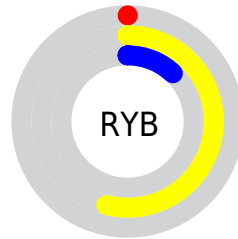
Distribution



Red (42%)

Green (54%)

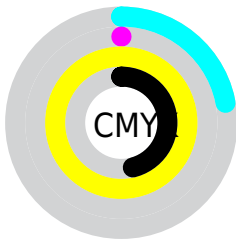
Blue (0%)



Red (0%)

Yellow (54%)

Blue (12%)

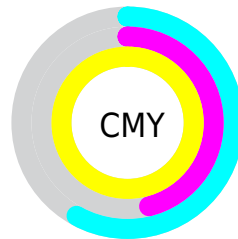


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (58%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 62.874, 115.453 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 53, 62.874, 115.453 by changing the saturation by 10% instead.


 53, 62.874,
115.453


 53, 62.874,
115.453


 100, 62.874,
115.453


 43, 62.874,
115.453


 73, 62.874,
115.453

 33, 62.874,
115.453

 83, 62.874,
115.453

 23, 62.874,
115.453

 93, 62.874,
115.453

 13, 62.874,
115.453

 3, 62.874, 115.453

 0, 62.874, 115.453

■ 53, 62.874,
115.453

■ 53, 62.874,
115.453

■ 53, 62.905,
115.460

■ 53, 60.226,
114.960

■ 54, 56.476,
114.719

■ 54, 51.362,
114.804

■ 54, 45.218,
115.128

■ 55, 38.365,
115.609

■ 55, 31.049,
116.185

■ 55, 23.445,
116.813

■ 56, 15.671,

117.460

■ 57, 7.805, 118.106

Harmonies

Complementary

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



53, 62.874, 115.453



16, 82.599, 307.600

Rectangle

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



53, 62.874, 115.453



53, 62.874, 165.453



53, 62.874, 295.453



53, 62.874, 345.453

Sweetspot

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



53, 62.874, 115.455



71, 29.183, 116.763



30, 61.046, 44.244



37, 19.783, 116.532



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 62.874, 115.455



68, 76.445, 115.714



50, 72.688, 133.140



29, 4.472, 118.153



51, 61.396, 115.424



1, 2.084, 118.727

Inverse Universe

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



16, 82.599, 307.600



23, 100.576, 307.445



25, 75.127, 318.119



27, 4.559, 299.333



15, 80.669, 307.633



0, 2.084, 298.726

Previews

White Background



This preview shows how the CIELCh color 53, 62.874, 115.453 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 53, 62.874, 115.453 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 53, 62.874, 115.453

Background



This preview shows how black text looks on a background with the CIELCh color 53, 62.874, 115.453.



This preview shows how white text looks on a background with the CIELCh color 53, 62.874, 115.453.

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

53, 62.874, 115.453

Protanopia

53, 58.353, 95.266

Deuteranopia

53, 53.505, 82.936



Tritanopia
53, 6.984, 265.328

Trichromacy



Original Color
53, 62.874, 115.453

Protanomaly
53, 59.119, 103.312

Deuteranomaly
52, 54.808, 96.180

Tritanomaly
52, 25.432, 122.825

Monochromacy



Original Color
53, 62.874, 115.453

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 28.982, 116.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 62.874, 115.453 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(107, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 137, 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(107, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 137, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 62.874, 115.453 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(107, 137, 0) }
```

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

```
.border{ border-color:rgb(107, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 137,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 62.874, 115.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 137, 0) }
```

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

```
.background{ background-color: rgb(107,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor