

Converting Colors

CIELCh(51, 51.794, 114.892)

Have a look what the booklet for
CIELCh(51, 51.794, 114.892)
contains.

CIELCh(51, 51.783, 115.093)	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(51, 51.783, 115.093)

Conversions

Conversions Part 1

Format	Color
Hex	6C8221
RGB	108, 130, 33
RGB Percent	42%, 51%, 13%
CMY	0.5764, 0.4901, 0.8705
CMYK	0.17, 0.00, 0.75, 0.49
HSL	74°, 59%, 32%
HSV	74°, 75%, 51%
XYZ	14.4459, 19.2686, 4.3980
YIQ	112.3640, 18.0250, -34.8310

Conversions

Conversions Part 2

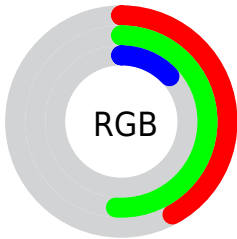
Format	Color
RYB	33, 130, 55
Decimal	7111201
CIELab	51.00, -21.96, 46.90
CIELCh	51, 51.783, 115.093
Yxy	19.2686, 0.3790, 0.5056
Android (android.graphics.Color)	4285301281 (0xFF6C8221)
YUV	112.3640, -39.1265, -3.8272
Hunter-Lab	43.8960, -18.0748, 24.7869

Details

The CIELCh color **51, 51.783, 115.093** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22, 62.931, 305.990**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 51.676, 115.142**, and **31, 44.086, 118.483** is the 20% darker color. If you saturate the color by 10%, you get **51, 56.167, 115.154**, and if you desaturate by 10%, it is **51, 46.277, 115.313**.

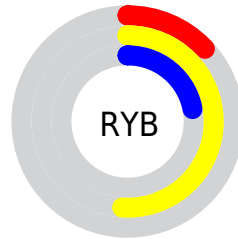
Distribution



Red (42%)

Green (51%)

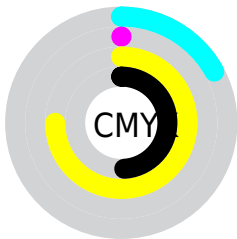
Blue (13%)



Red (13%)

Yellow (51%)

Blue (22%)

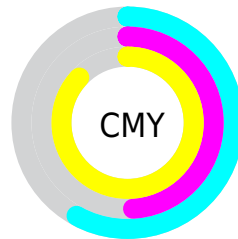


Cyan (17%)

Magenta (0%)

Yellow (75%)

Black (49%)



Cyan (58%)


Magenta (49%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 51.783, 115.093 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 51, 51.783, 115.093 by changing the saturation by 10% instead.


 51, 51.783,
115.093


 51, 51.783,
115.093


 100, 51.783,
115.093


 41, 51.783,
115.093


 71, 51.783,
115.093

 31, 51.783,
115.093

 81, 51.783,
115.093

 21, 51.783,
115.093

 91, 51.783,
115.093

 11, 51.783,
115.093

 1, 51.783, 115.093

 0, 51.783, 115.093

■ 51, 51.783,
115.093

■ 51, 51.783,
115.093

■ 51, 56.167,
115.154

■ 51, 46.277,
115.313

■ 50, 59.192,
115.560

■ 52, 39.969,
115.722

■ 50, 60.638,
115.807

■ 52, 33.126,
116.251

■ 53, 25.943,
116.849

■ 53, 18.553,
117.478

■ 54, 11.046,
118.116

■ 54, 3.482, 118.746

■ 55, 4.097, 299.345

■ 55, 11.660,
299.928

Harmonies

Complementary

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



51, 51.783, 115.093



22, 62.931, 305.990

Rectangle

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



51, 51.783, 115.093



51, 51.783, 165.093



51, 51.783, 295.093



51, 51.783, 345.093

Sweetspot

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



51, 51.783, 115.095



67, 20.503, 117.613



33, 42.651, 42.668



35, 13.700, 117.473



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 51.783, 115.095



64, 70.668, 115.429



48, 59.016, 132.726



27, 4.198, 118.465



49, 59.782, 115.784



0, 0.000, 0.000

Inverse Universe

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



22, 62.931, 305.990



23, 90.627, 307.274



28, 61.355, 318.769



24, 4.278, 299.612



14, 78.296, 307.742



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 51.783, 115.093 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 51, 51.783, 115.093 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 51, 51.783, 115.093

Background



This preview shows how black text looks on a background with the CIELCh color 51, 51.783, 115.093.



This preview shows how white text looks on a background with the CIELCh color 51, 51.783, 115.093.

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
51, 51.783, 115.093

Protanopia
51, 48.723, 95.917

Deuteranopia
51, 46.098, 81.570



Tritanopia
51, 5.925, 279.682

Trichromacy



Original Color
51, 51.783, 115.093

Protanomaly
51, 49.024, 103.292

Deuteranomaly
50, 45.710, 94.520

Tritanomaly
50, 17.297, 122.266

Monochromacy



Original Color
51, 51.783, 115.093

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 21.144, 116.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 51.783, 115.093 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(108, 130, 33)` looks like.

```
.text, #text, p{  
    color:rgb(108, 130, 33)  
}
```

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(108, 130, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 130, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 51.783, 115.093 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(108, 130, 33) }
```

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

```
.border{ border-color:rgb(108, 130, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 130, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 130, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 130, 33);  
box-shadow:4px 4px 4px 4px rgb(108, 130,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 51.783, 115.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 130, 33) }
```

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

```
.background{ background-color: rgb(108,  
130, 33) }
```

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