

Converting Colors

CIELCh(51, 71.621, 133.882)

Have a look what the booklet for
CIELCh(51, 71.621, 133.882)
contains.

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Color

CIELCh(51, 71.621, 133.882)

Conversions

Conversions Part 1

Format	Color
Hex	2A8C0D
RGB	42, 140, 13
RGB Percent	16%, 55%, 5%
CMY	0.8354, 0.4511, 0.9492
CMYK	0.70, 0.00, 0.91, 0.45
HSL	106°, 83%, 30%
HSV	106°, 91%, 55%
XYZ	10.3998, 19.2686, 3.5504
YIQ	96.2200, -17.6410, -60.2730

Conversions

Conversions Part 2

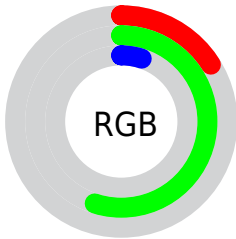
Format	Color
RYB	13, 140, 111
Decimal	2788365
CIELab	51.00, -49.65, 51.62
CIELCh	51, 71.621, 133.882
Yxy	19.2686, 0.3131, 0.5801
Android (android.graphics.Color)	4280978445 (0xFF2A8C0D)
YUV	96.2200, -41.0275, -47.5509
Hunter-Lab	43.8960, -34.5281, 25.9318

Details

The CIELCh color **51, 71.621, 133.882** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 72.823, 320.229**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 71.984, 133.824**, and **32, 55.146, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 74.682, 134.051**, and if you desaturate by 10%, it is **51, 67.083, 133.842**.

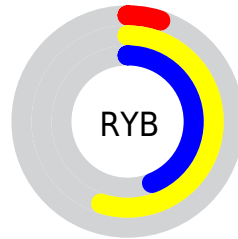
Distribution



Red (16%)

Green (55%)

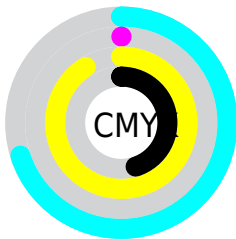
Blue (5%)



Red (5%)

Yellow (55%)

Blue (44%)

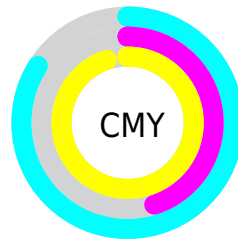


Cyan (70%)

Magenta (0%)

Yellow (91%)

Black (45%)



Cyan (84%)


Magenta (45%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 71.621, 133.882 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, 71.621, 133.882 by changing the saturation by 10% instead.


 51, 71.621,
133.882


 51, 71.621,
133.882


 100, 71.621,
133.882


 41, 71.621,
133.882


 71, 71.621,
133.882

 31, 71.621,
133.882

 81, 71.621,
133.882

 21, 71.621,
133.882

 91, 71.621,
133.882

 11, 71.621,
133.882

 1, 71.621, 133.882

 0, 71.621, 133.882

■ 51, 71.621,
133.882

■ 51, 71.621,
133.882

■ 51, 74.682,
134.051

■ 51, 67.083,
133.842

■ 52, 60.998,
134.127

■ 52, 53.727,
134.620

■ 53, 45.625,
135.216

■ 54, 36.983,
135.837

■ 55, 28.022,
136.438

■ 56, 18.907,
136.995

■ 57, 9.757, 137.502

Harmonies

Complementary

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



51, 71.621, 133.882



28, 72.823, 320.229

Rectangle

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



51, 71.621, 133.882



51, 71.621, 183.882



51, 71.621, 313.882



51, 71.621, 3.882

Sweetspot

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



51, 71.621, 133.883



70, 30.380, 136.620



48, 51.759, 86.834



36, 20.624, 136.449



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 71.621, 133.883



65, 90.493, 134.277



51, 64.810, 142.192



29, 5.055, 137.579



48, 71.755, 133.995



1, 2.341, 137.959

Inverse Universe

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



28, 72.823, 320.229



36, 91.455, 319.735



32, 59.478, 340.784



27, 5.085, 318.321



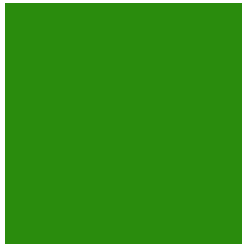
25, 72.714, 319.935



0, 2.341, 317.955

Previews

White Background



This preview shows how the CIELCh color 51, 71.621, 133.882 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, 71.621, 133.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

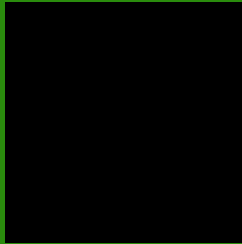
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 71.621, 133.882

Background



This preview shows how black text looks on a background with the CIELCh color 51, 71.621, 133.882.



This preview shows how white text looks on a background with the CIELCh color 51, 71.621, 133.882.

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, 71.621, 133.882

Protanopia
51, 56.336, 95.422

Deuteranopia
51, 48.876, 82.433



Tritanopia
51, 20.234, 216.261

Trichromacy



Original Color
51, 71.621, 133.882

Protanomaly
50, 58.686, 114.822

Deuteranomaly
49, 51.416, 109.873

Tritanomaly
50, 36.022, 155.888

Monochromacy



Original Color
51, 71.621, 133.882

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 31.171, 136.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 71.621, 133.882 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(42, 140, 13)` looks like.

```
.text, #text, p{  
    color:rgb(42, 140, 13)  
}
```

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(42, 140, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 140, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 71.621, 133.882 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(42, 140, 13) }
```

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

```
.border{ border-color:rgb(42, 140, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 140, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 140, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 140, 13);  
box-shadow:4px 4px 4px 4px rgb(42, 140,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 71.621, 133.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 140, 13) }
```

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

```
.background{ background-color: rgb(42, 140,  
13) }
```

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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