

Converting Colors

CIELCh(51, 61.292, 131.474)

Have a look what the booklet for
CIELCh(51, 61.292, 131.474)
contains.

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Color

CIELCh(51, 61.072, 131.521)

Conversions

Conversions Part 1

Format	Color
Hex	448922
RGB	68, 137, 34
RGB Percent	27%, 54%, 13%
CMY	0.7329, 0.4623, 0.8662
CMYK	0.50, 0.00, 0.75, 0.46
HSL	100°, 60%, 34%
HSV	100°, 75%, 54%
XYZ	11.6414, 19.2686, 4.6268
YIQ	104.6270, -8.0610, -46.6610

Conversions

Conversions Part 2

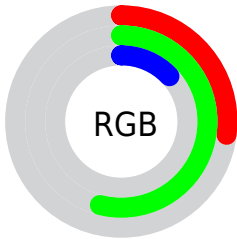
Format	Color
R_{YB}	34, 137, 103
Decimal	4491554
CIE _{Lab}	51.00, -40.48, 45.73
CIE _{LCh}	51, 61.072, 131.521
Yxy	19.2686, 0.3276, 0.5422
Android (android.graphics.Color)	4282681634 (0xFF448922)
YUV	104.6270, -34.8191, -32.1219
Hunter-Lab	43.8960, -29.4792, 24.4778

Details

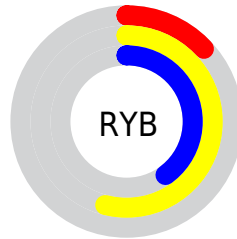
The CIELCh color **51, 61.072, 131.521** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **29, 64.397, 317.350**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 60.897, 131.428**, and **31, 54.279, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 66.427, 131.595**, and if you desaturate by 10%, it is **52, 54.477, 131.745**.

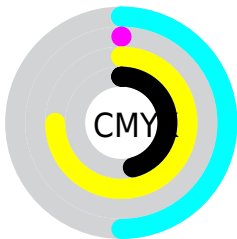
Distribution



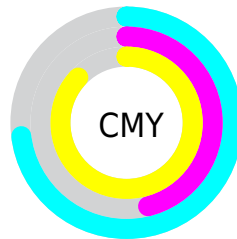
- Red (27%)
- Green (54%)
- Blue (13%)



- Red (13%)
- Yellow (54%)
- Blue (40%)



- Cyan (50%)
- Magenta (0%)
- Yellow (75%)
- Black (46%)





- Cyan (73%)
- Magenta (46%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 61.072, 131.521 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, 61.072, 131.521 by changing the saturation by 10% instead.


 51, 61.072,
131.521


 51, 61.072,
131.521


 100, 61.072,
131.521


 41, 61.072,
131.521


 71, 61.072,
131.521

 31, 61.072,
131.521

 81, 61.072,
131.521

 21, 61.072,
131.521

 91, 61.072,
131.521

 11, 61.072,
131.521

 1, 61.072, 131.521

 0, 61.072, 131.521

■ 51, 61.072,
131.521

■ 51, 61.072,
131.521

■ 51, 66.427,
131.595

■ 52, 54.477,
131.745

■ 50, 70.289,
132.044

■ 52, 46.994,
132.148

■ 50, 71.942,
132.232

■ 53, 38.920,
132.640

■ 54, 30.484,
133.158

■ 55, 21.849,
133.666

■ 55, 13.136,
134.145

■ 57, 4.430, 134.598

■ 58, 4.208, 314.927

■ 59, 12.733,
315.292

Harmonies

Complementary

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



51, 61.072, 131.521



29, 64.397, 317.350

Rectangle

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



51, 61.072, 131.521



51, 61.072, 181.521



51, 61.072, 311.521



51, 61.072, 1.521

Sweetspot

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



51, 61.072, 131.522



70, 24.812, 133.746



46, 42.699, 81.053



36, 17.105, 133.589



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 61.072, 131.522



64, 84.012, 131.873



50, 59.924, 141.821



29, 4.908, 134.415



49, 70.186, 132.188



1, 2.276, 134.774

Inverse Universe

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



29, 64.397, 317.350



34, 88.584, 317.004



34, 57.771, 334.117



27, 4.950, 315.124



23, 73.983, 316.704



0, 2.276, 314.771

Previews

White Background



This preview shows how the CIELCh color 51, 61.072, 131.521 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, 61.072, 131.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

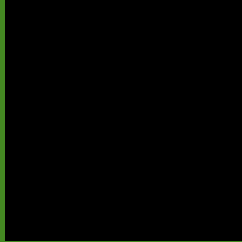
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 61.072, 131.521

Background



This preview shows how black text looks on a background with the CIELCh color 51, 61.072, 131.521.



This preview shows how white text looks on a background with the CIELCh color 51, 61.072, 131.521.

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, 61.072, 131.521

Protanopia

51, 48.771, 95.303

Deuteranopia

51, 44.173, 81.523



Tritanopia
51, 15.488, 220.347

Trichromacy



Original Color
51, 61.072, 131.521

Protanomaly
50, 50.804, 112.210

Deuteranomaly
50, 44.965, 105.493

Tritanomaly
50, 27.220, 155.286

Monochromacy



Original Color
51, 61.072, 131.521

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 24.690, 132.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 61.072, 131.521 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(68, 137, 34)` looks like.

```
.text, #text, p{  
    color:rgb(68, 137, 34)  
}
```

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(68, 137, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 137, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 61.072, 131.521 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(68, 137, 34) }
```

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

```
.border{ border-color:rgb(68, 137, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 137, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 137, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 137, 34);  
box-shadow:4px 4px 4px 4px rgb(68, 137,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 61.072, 131.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 137, 34) }
```

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

```
.background{ background-color: rgb(68, 137,  
34) }
```

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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