

Converting Colors

CIELCh(51, 51.298, 131.781)

Have a look what the booklet for
CIELCh(51, 51.298, 131.781)
contains.

CIELCh(51, 51.086, 131.671)	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, 51.086, 131.671)

Conversions

Conversions Part 1

Format	Color
Hex	508734
RGB	80, 135, 52
RGB Percent	31%, 53%, 20%
CMY	0.6864, 0.4707, 0.7962
CMYK	0.41, 0.00, 0.61, 0.47
HSL	100°, 44%, 37%
HSV	100°, 61%, 53%
XYZ	12.5827, 19.2686, 6.3005
YIQ	109.0930, -6.1370, -37.4730

Conversions

Conversions Part 2

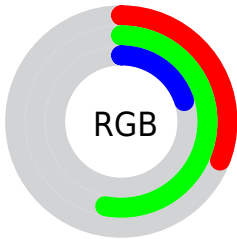
Format	Color
RYB	52, 135, 107
Decimal	5277492
CIELab	51.00, -33.96, 38.16
CIElCh	51, 51.086, 131.671
Yxy	19.2686, 0.3298, 0.5051
Android (android.graphics.Color)	4283467572 (0xFF508734)
YUV	109.0930, -28.1468, -25.5146
Hunter-Lab	43.8960, -25.6516, 22.2172

Details

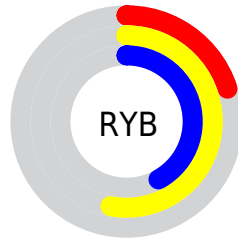
The CIELCh color **51, 51.086, 131.671** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **33, 53.666, 316.943**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 51.093, 131.729**, and **31, 51.129, 131.950** is the 20% darker color. If you saturate the color by 10%, you get **50, 57.951, 131.380**, and if you desaturate by 10%, it is **52, 43.467, 132.108**.

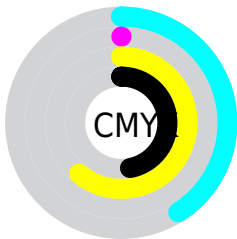
Distribution



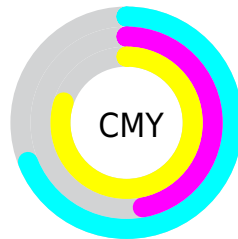
- Red (31%)
- Green (53%)
- Blue (20%)



- Red (20%)
- Yellow (53%)
- Blue (42%)



- Cyan (41%)
- Magenta (0%)
- Yellow (61%)
- Black (47%)





- Cyan (69%)
- Magenta (47%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 51.086, 131.671 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, 51.086, 131.671 by changing the saturation by 10% instead.


 51, 51.086,
131.671


 51, 51.086,
131.671


 100, 51.086,
131.671


 41, 51.086,
131.671


 71, 51.086,
131.671

 31, 51.086,
131.671

 81, 51.086,
131.671

 21, 51.086,
131.671

 91, 51.086,
131.671

 11, 51.086,
131.671

 1, 51.086, 131.671

 0, 51.086, 131.671

■ 51, 51.086,
131.671

■ 51, 51.086,
131.671

■ 50, 57.951,
131.380

■ 52, 43.467,
132.108

■ 50, 63.728,
131.341

■ 52, 35.359,
132.608

■ 50, 68.086,
131.671

■ 53, 26.961,
133.120

■ 49, 70.981,
132.058

■ 54, 18.416,
133.615

■ 55, 9.827, 134.079

■ 56, 1.268, 134.583

■ 57, 7.207, 314.837

■ 58, 15.561,
315.176

■ 60, 23.768,
315.467

Harmonies

Complementary

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



51, 51.086, 131.671



33, 53.666, 316.943

Rectangle

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



51, 51.086, 131.671



51, 51.086, 181.671



51, 51.086, 311.671



51, 51.086, 1.671

Sweetspot

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



51, 51.087, 131.672



69, 19.142, 133.762



47, 34.550, 81.715



36, 13.411, 133.640



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, 51.087, 131.672



64, 73.493, 131.326



50, 50.863, 143.260



28, 4.746, 134.186



48, 69.061, 132.007



1, 1.136, 134.542

Inverse Universe

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



33, 53.666, 316.943



38, 77.678, 317.134



36, 50.159, 332.545



26, 4.788, 314.889



22, 73.042, 316.507



0, 1.136, 314.538

Previews

White Background



This preview shows how the CIELCh color 51, 51.086, 131.671 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, 51.086, 131.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

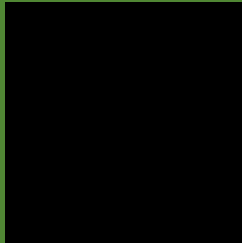
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 51.086, 131.671

Background



This preview shows how black text looks on a background with the CIELCh color 51, 51.086, 131.671.



This preview shows how white text looks on a background with the CIELCh color 51, 51.086, 131.671.

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, 51.086, 131.671

Protanopia

51, 41.064, 95.506

Deuteranopia

51, 36.745, 79.649



Tritanopia
51, 12.885, 228.466

Trichromacy



Original Color
51, 51.086, 131.671

Protanomaly
50, 42.556, 111.591

Deuteranomaly
50, 36.979, 103.853

Tritanomaly
51, 20.784, 157.189

Monochromacy



Original Color
51, 51.086, 131.671

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 19.533, 133.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 51.086, 131.671 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(80, 135, 52)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 52)  
}
```

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(80, 135, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 51.086, 131.671 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(80, 135, 52) }
```

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

```
.border{ border-color:rgb(80, 135, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 52);  
box-shadow:4px 4px 4px 4px rgb(80, 135,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 51.086, 131.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 52) }
```

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

```
.background{ background-color: rgb(80, 135,  
52) }
```

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