

Converting Colors

CIELCh(51, 31.327, 138.981)

Have a look what the booklet for
CIELCh(51, 31.327, 138.981)
contains.

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Color

CIELCh(51, 31.883, 138.878)

Conversions

Conversions Part 1

Format	Color
Hex	5B8455
RGB	91, 132, 85
RGB Percent	36%, 52%, 33%
CMY	0.6444, 0.4837, 0.6679
CMYK	0.31, 0.00, 0.36, 0.48
HSL	112°, 22%, 42%
HSV	112°, 36%, 52%
XYZ	14.1143, 19.2686, 11.5038
YIQ	114.3830, -9.3490, -23.3090

Conversions

Conversions Part 2

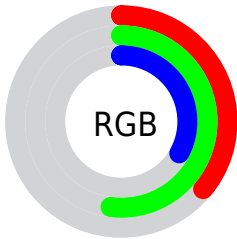
Format	Color
RYB	85, 132, 126
Decimal	5997653
CIELab	51.00, -24.02, 20.97
CIELCh	51, 31.883, 138.878
Yxy	19.2686, 0.3144, 0.4293
Android (android.graphics.Color)	4284187733 (0xFF5B8455)
YUV	114.3830, -14.4858, -20.5069
Hunter-Lab	43.8960, -19.4231, 15.1892

Details

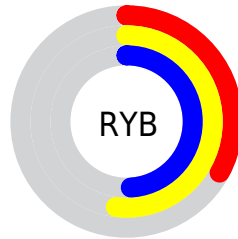
The CIELCh color **51, 31.883, 138.878** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **42, 32.159, 322.536**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 31.820, 139.083**, and **31, 31.671, 138.630** is the 20% darker color. If you saturate the color by 10%, you get **50, 40.524, 138.137**, and if you desaturate by 10%, it is **52, 22.996, 139.555**.

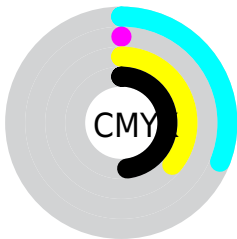
Distribution



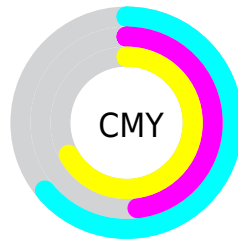
- Red (36%)
- Green (52%)
- Blue (33%)



- Red (33%)
- Yellow (52%)
- Blue (49%)



- Cyan (31%)
- Magenta (0%)
- Yellow (36%)
- Black (48%)





- Cyan (64%)
- Magenta (48%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.883, 138.878 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, 31.883, 138.878 by changing the saturation by 10% instead.


 51, 31.883,
138.878


 51, 31.883,
138.878


 100, 31.883,
138.878


 41, 31.883,
138.878


 71, 31.883,
138.878

 31, 31.883,
138.878

 81, 31.883,
138.878

 21, 31.883,
138.878

 91, 31.883,
138.878

 11, 31.883,
138.878

 1, 31.883, 138.878

 0, 31.883, 138.878

■ 51, 31.883,
138.878

■ 51, 31.883,
138.878

■ 50, 40.524,
138.137

■ 52, 22.996,
139.555

■ 49, 48.714,
137.356

■ 53, 14.012,
140.159

■ 49, 56.197,
136.589

■ 54, 5.046, 140.703

■ 48, 62.650,
135.924

■ 56, 3.819, 321.077

■ 48, 67.718,
135.476

■ 57, 12.525,
321.496

■ 48, 71.191,
135.305

■ 59, 21.034,
321.833

■ 48, 72.479,
135.158

■ 60, 29.321,
322.118

■ 62, 37.374,
322.361

■ 64, 45.189,
322.568

Harmonies

Complementary

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



51, 31.883, 138.878



42, 32.159, 322.536

Rectangle

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



51, 31.883, 138.878



51, 31.883, 188.878



51, 31.883, 318.878



51, 31.883, 8.878

Sweetspot

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



51, 31.884, 138.879



68, 12.136, 140.404



52, 23.455, 100.347



36, 8.223, 140.343



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 31.884, 138.879



64, 47.275, 138.267



51, 25.388, 154.103



27, 5.052, 140.518



47, 71.828, 135.149



1, 1.206, 140.936

Inverse Universe

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



42, 32.159, 322.536



51, 47.714, 322.875



42, 25.867, 339.875



26, 5.071, 321.328



27, 70.768, 323.464



0, 1.206, 320.932

Previews

White Background



This preview shows how the CIELCh color 51, 31.883, 138.878 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, 31.883, 138.878 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, 31.883, 138.878

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.883, 138.878.



This preview shows how white text looks on a background with the CIELCh color 51, 31.883, 138.878.

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, 31.883, 138.878

Protanopia
51, 24.027, 96.236

Deuteranopia
51, 20.497, 71.693



Tritanopia
51, 10.667, 231.957

Trichromacy



Original Color
51, 31.883, 138.878

Protanomaly
51, 24.919, 116.131

Deuteranomaly
51, 20.183, 105.023

Tritanomaly
51, 13.095, 171.530

Monochromacy



Original Color
51, 31.883, 138.878

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.545, 138.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.883, 138.878 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(91, 132, 85)` looks like.

```
.text, #text, p{  
    color:rgb(91, 132, 85)  
}
```

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(91, 132, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 132, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.883, 138.878 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(91, 132, 85) }
```

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

```
.border{ border-color:rgb(91, 132, 85) }
```

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

Here you see how a box with a 4 pixel rgb(91, 132, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 132, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 132, 85);  
box-shadow:4px 4px 4px 4px rgb(91, 132,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.883, 138.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 132, 85) }
```

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

```
.background{ background-color: rgb(91, 132,  
85) }
```

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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