

Converting Colors

CIELCh(51, 30.988, 151.031)

Have a look what the booklet for
CIELCh(51, 30.988, 151.031)
contains.

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Color

CIELCh(51, 30.903, 151.150)

Conversions

Conversions Part 1

Format	Color
Hex	4E855F
RGB	78, 133, 95
RGB Percent	31%, 52%, 37%
CMY	0.6936, 0.4779, 0.6269
CMYK	0.41, 0.00, 0.29, 0.48
HSL	139°, 26%, 41%
HSV	139°, 41%, 52%
XYZ	13.6322, 19.2686, 13.8593
YIQ	112.2230, -20.5820, -23.4780

Conversions

Conversions Part 2

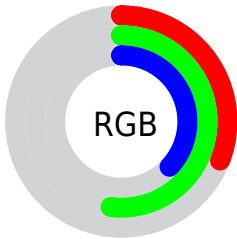
Format	Color
R_{YB}	78, 120, 133
Decimal	5145951
CIE _{Lab}	51.00, -27.07, 14.91
CIE _{LCh}	51, 30.903, 151.150
Yxy	19.2686, 0.2915, 0.4121
Android (android.graphics.Color)	4283336031 (0xFF4E855F)
YUV	112.2230, -8.4909, -30.0136
Hunter-Lab	43.8960, -21.3836, 12.0076

Details

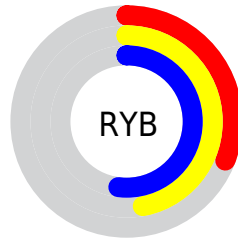
The CIELCh color **51, 30.903, 151.150** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **41, 31.282, 337.677**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.938, 151.098**, and **31, 30.842, 151.609** is the 20% darker color. If you saturate the color by 10%, you get **50, 37.944, 149.963**, and if you desaturate by 10%, it is **52, 23.570, 152.187**.

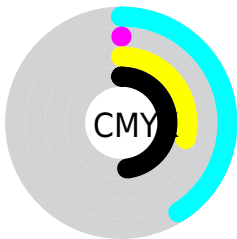
Distribution



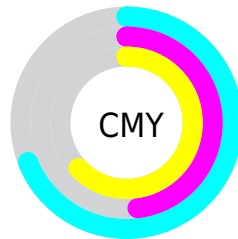
- Red (31%)
- Green (52%)
- Blue (37%)



- Red (31%)
- Yellow (47%)
- Blue (52%)



- Cyan (41%)
- Magenta (0%)
- Yellow (29%)
- Black (48%)





- Cyan (69%)
- Magenta (48%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.903, 151.150 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, 30.903, 151.150 by changing the saturation by 10% instead.


 51, 30.903,
151.150


 51, 30.903,
151.150


 100, 30.903,
151.150


 41, 30.903,
151.150


 71, 30.903,
151.150

 31, 30.903,
151.150

 81, 30.903,
151.150

 21, 30.903,
151.150

 91, 30.903,
151.150

 11, 30.903,
151.150

 1, 30.903, 151.150

 0, 30.903, 151.150

■ 51, 30.903,
151.150

■ 51, 30.903,
151.150

■ 50, 37.944,
149.963

■ 52, 23.570,
152.187

■ 50, 44.558,
148.609

■ 53, 16.069,
153.095

■ 49, 50.614,
147.080

■ 54, 8.508, 153.900

■ 49, 56.001,
145.382

■ 55, 0.976, 154.825

■ 57, 6.458, 335.141

■ 48, 60.637,
143.543

■ 58, 13.744,
335.710

■ 48, 64.163,
142.013

■ 60, 20.849,
336.207

■ 62, 27.752,
336.654

■ 63, 34.441,
337.058

Harmonies

Complementary

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



51, 30.903, 151.150



41, 31.282, 337.677

Rectangle

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



51, 30.903, 151.150



51, 30.903, 201.150



51, 30.903, 331.150



51, 30.903, 21.150

Sweetspot

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



51, 30.904, 151.150



69, 11.204, 153.826



53, 31.776, 119.503



36, 7.403, 153.745



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, 30.904, 151.150



64, 45.892, 149.986



52, 20.969, 179.425



27, 4.223, 154.067



47, 63.009, 142.063



1, 1.009, 154.655

Inverse Universe

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



41, 31.282, 337.677



49, 46.324, 338.545



40, 24.859, 8.180



26, 4.245, 335.219



28, 56.010, 344.889



0, 1.009, 334.648

Previews

White Background



This preview shows how the CIELCh color 51, 30.903, 151.150 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 CIE LCh color 51, 30.903, 151.150 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, 30.903, 151.150

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.903, 151.150.



This preview shows how white text looks on a background with the CIELCh color 51, 30.903, 151.150.

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, 30.903, 151.150

Protanopia
51, 18.360, 95.326

Deuteranopia
51, 14.524, 62.662



Tritanopia
51, 14.930, 221.274

Trichromacy



Original Color
51, 30.903, 151.150

Protanomaly
50, 19.960, 125.138

Deuteranomaly
50, 14.010, 115.345

Tritanomaly
51, 17.630, 182.165

Monochromacy



Original Color
51, 30.903, 151.150

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 11.609, 153.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.903, 151.150 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(78, 133, 95)` looks like.

```
.text, #text, p{  
    color:rgb(78, 133, 95)  
}
```

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(78, 133, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 133, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.903, 151.150 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(78, 133, 95) }
```

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

```
.border{ border-color:rgb(78, 133, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 133, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 133, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 133, 95);  
box-shadow:4px 4px 4px 4px rgb(78, 133,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.903, 151.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 133, 95) }
```

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

```
.background{ background-color: rgb(78, 133,  
95) }
```

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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