

Converting Colors

CIELCh(51, 31.893, 157.898)

Have a look what the booklet for
CIELCh(51, 31.893, 157.898)
contains.

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Color

CIELCh(51, 31.781, 157.947)

Conversions

Conversions Part 1

Format	Color
Hex	448664
RGB	68, 134, 100
RGB Percent	27%, 53%, 39%
CMY	0.7325, 0.4737, 0.6071
CMYK	0.49, 0.00, 0.25, 0.47
HSL	149°, 33%, 40%
HSV	149°, 49%, 53%
XYZ	13.2624, 19.2686, 15.1271
YIQ	110.3900, -28.4220, -24.5660

Conversions

Conversions Part 2

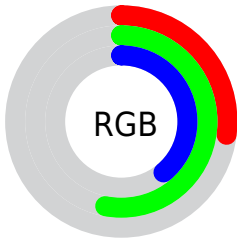
Format	Color
RYB	68, 112, 134
Decimal	4490852
CIELab	51.00, -29.46, 11.93
CIElCh	51, 31.781, 157.947
Yxy	19.2686, 0.2783, 0.4043
Android (android.graphics.Color)	4282680932 (0xFF448664)
YUV	110.3900, -5.1223, -37.1760
Hunter-Lab	43.8960, -22.8873, 10.2952

Details

The CIELCh color **51, 31.781, 157.947** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **38, 33.345, 347.723**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 32.019, 157.982**, and **31, 32.090, 157.646** is the 20% darker color. If you saturate the color by 10%, you get **50, 37.499, 156.553**, and if you desaturate by 10%, it is **52, 25.679, 159.179**.

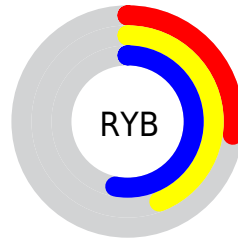
Distribution



Red (27%)

Green (53%)

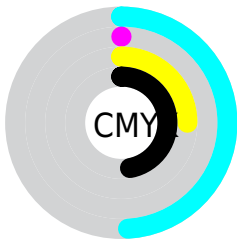
Blue (39%)



Red (27%)

Yellow (44%)

Blue (53%)

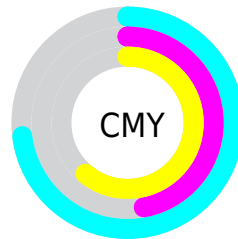


Cyan (49%)

Magenta (0%)

Yellow (25%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 31.781, 157.947 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, 31.781, 157.947 by changing the saturation by 10% instead.


 51, 31.781,
157.947


 51, 31.781,
157.947


 100, 31.781,
157.947


 41, 31.781,
157.947


 71, 31.781,
157.947

 31, 31.781,
157.947

 81, 31.781,
157.947

 21, 31.781,
157.947

 91, 31.781,
157.947

 11, 31.781,
157.947

 1, 31.781, 157.947

 0, 31.781, 157.947

■ 51, 31.781,
157.947

■ 51, 31.781,
157.947

■ 50, 37.499,
156.553

■ 52, 25.679,
159.179

■ 50, 42.733,
154.978

■ 53, 19.297,
160.275

■ 49, 47.409,
153.208

■ 54, 12.739,
161.255

■ 49, 51.488,
151.240

■ 55, 6.097, 162.154

■ 49, 55.100,
149.201

■ 56, 0.551, 342.353

■ 49, 55.392,
149.044

■ 57, 7.143, 343.573

■ 59, 13.634,
344.254

■ 60, 19.990,
344.871

■ 62, 26.188,
345.443

Harmonies

Complementary

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



51, 31.781, 157.947



38, 33.345, 347.723

Rectangle

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



51, 31.781, 157.947



51, 31.781, 207.947



51, 31.781, 337.947



51, 31.781, 27.947

Sweetspot

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



51, 31.782, 157.946



69, 12.291, 161.608



52, 39.371, 126.264



35, 8.348, 161.446



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, 31.782, 157.946



64, 45.972, 156.387



52, 22.050, 195.551



27, 3.710, 162.160



47, 54.060, 149.120



1, 0.889, 162.840

Inverse Universe

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



38, 33.345, 347.723



45, 48.274, 349.376



37, 30.775, 23.428



26, 3.752, 343.508



27, 51.733, 359.243



0, 0.889, 342.831

Previews

White Background



This preview shows how the CIELCh color 51, 31.781, 157.947 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, 31.781, 157.947 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, 31.781, 157.947

Background



This preview shows how black text looks on a background with the CIELCh color 51, 31.781, 157.947.



This preview shows how white text looks on a background with the CIELCh color 51, 31.781, 157.947.

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, 31.781, 157.947

Protanopia
51, 16.016, 95.523

Deuteranopia
51, 11.830, 56.103



Tritanopia
51, 17.648, 217.292

Trichromacy



Original Color
51, 31.781, 157.947

Protanomaly
51, 19.121, 132.566

Deuteranomaly
50, 12.360, 128.374

Tritanomaly
51, 20.151, 187.276

Monochromacy



Original Color
51, 31.781, 157.947

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 11.997, 161.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 31.781, 157.947 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, 134, 100)` looks like.

```
.text, #text, p{  
    color:rgb(68, 134, 100)  
}
```

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, 134, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 134, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 31.781, 157.947 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, 134, 100) }
```

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

```
.border{ border-color:rgb(68, 134, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 134, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 134, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 134, 100);  
box-shadow:4px 4px 4px 4px rgb(68, 134,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 31.781, 157.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 134, 100) }
```

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

```
.background{ background-color: rgb(68, 134,  
100) }
```

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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