

Converting Colors

CIELCh(51, 24.121, 153.631)

Have a look what the booklet for
CIELCh(51, 24.121, 153.631)
contains.

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Color

CIELCh(51, 23.889, 154.194)

Conversions

Conversions Part 1

Format	Color
Hex	578367
RGB	87, 131, 103
RGB Percent	34%, 51%, 40%
CMY	0.6585, 0.4859, 0.5957
CMYK	0.34, 0.00, 0.21, 0.49
HSL	142°, 20%, 43%
HSV	142°, 34%, 51%
XYZ	14.5198, 19.2686, 15.8088
YIQ	114.6520, -17.2360, -18.0360

Conversions

Conversions Part 2

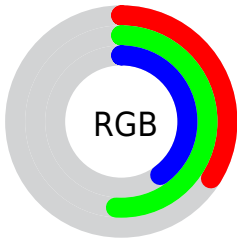
Format	Color
RYB	87, 119, 131
Decimal	5735271
CIELab	51.00, -21.51, 10.40
CIElCh	51, 23.889, 154.194
Yxy	19.2686, 0.2928, 0.3885
Android (android.graphics.Color)	4283925351 (0xFF578367)
YUV	114.6520, -5.7444, -24.2508
Hunter-Lab	43.8960, -17.7745, 9.3744

Details

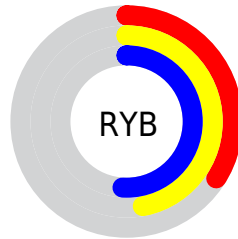
The CIELCh color $51, 23.889, 154.194$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $43, 24.315, 339.538$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 23.826, 154.293$, and $31, 23.646, 154.220$ is the 20% darker color. If you saturate the color by 10%, you get $50, 30.755, 153.099$, and if you desaturate by 10%, it is $52, 16.831, 155.156$.

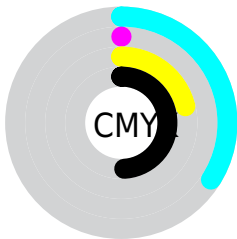
Distribution



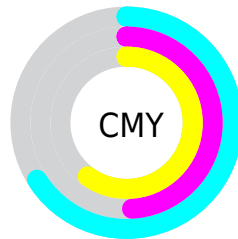
- Red (34%)
- Green (51%)
- Blue (40%)



- Red (34%)
- Yellow (47%)
- Blue (51%)



- Cyan (34%)
- Magenta (0%)
- Yellow (21%)
- Black (49%)





- Cyan (66%)
- Magenta (49%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 23.889, 154.194 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, 23.889, 154.194 by changing the saturation by 10% instead.


 51, 23.889,
154.194


 51, 23.889,
154.194


 100, 23.889,
154.194


 41, 23.889,
154.194


 71, 23.889,
154.194

 31, 23.889,
154.194

 81, 23.889,
154.194

 21, 23.889,
154.194

 91, 23.889,
154.194

 11, 23.889,
154.194

 1, 23.889, 154.194

 0, 23.889, 154.194

■ 51, 23.889,
154.194

■ 51, 23.889,
154.194

■ 50, 30.755,
153.099

■ 52, 16.831,
155.156

■ 49, 37.309,
151.852

■ 53, 9.682, 156.010

■ 49, 43.431,
150.433

■ 54, 2.532, 156.833

■ 48, 49.010,
148.830

■ 56, 4.549, 337.337

■ 48, 53.959,
147.045

■ 57, 11.510,
337.969

■ 48, 58.235,
145.106

■ 59, 18.314,
338.517

■ 48, 60.761,
143.932

■ 60, 24.936,
339.012

■ 62, 31.364,
339.463

■ 64, 37.590,
339.879

Harmonies

Complementary

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



51, 23.889, 154.194



43, 24.315, 339.538

Rectangle

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



51, 23.889, 154.194



51, 23.889, 204.194



51, 23.889, 334.194



51, 23.889, 24.194

Sweetspot

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



51, 23.890, 154.193



68, 8.850, 156.278



53, 25.895, 121.922



36, 6.088, 156.182



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, 23.890, 154.193



65, 35.153, 153.403



52, 16.700, 184.327



27, 4.056, 156.365



47, 60.387, 143.950



1, 0.970, 156.981

Inverse Universe

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



43, 24.315, 339.538



52, 35.840, 340.207



42, 19.542, 10.737



26, 4.083, 337.575



28, 54.276, 348.984



0, 0.970, 336.973

Previews

White Background



This preview shows how the CIELCh color 51, 23.889, 154.194 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, 23.889, 154.194 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, 23.889, 154.194

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.889, 154.194.



This preview shows how white text looks on a background with the CIELCh color 51, 23.889, 154.194.

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, 23.889, 154.194

Protanopia

51, 13.664, 95.645

Deuteranopia

51, 11.082, 55.155



Tritanopia
51, 12.946, 225.278

Trichromacy



Original Color
51, 23.889, 154.194

Protanomaly
51, 15.333, 127.486

Deuteranomaly
51, 9.949, 116.143

Tritanomaly
51, 13.859, 190.676

Monochromacy



Original Color
51, 23.889, 154.194

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.760, 156.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.889, 154.194 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(87, 131, 103)` looks like.

```
.text, #text, p{  
    color:rgb(87, 131, 103)  
}
```

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(87, 131, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 131, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.889, 154.194 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(87, 131, 103) }
```

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

```
.border{ border-color:rgb(87, 131, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 131, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 131, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 131, 103);  
box-shadow:4px 4px 4px 4px rgb(87, 131,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.889, 154.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 131, 103) }
```

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

```
.background{ background-color: rgb(87, 131,  
103) }
```

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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