

Converting Colors

CIELCh(51, 21.834, 159.442)

Have a look what the booklet for
CIELCh(51, 21.834, 159.442)
contains.

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Color

CIELCh(51, 21.834, 159.442)

Conversions

Conversions Part 1

Format	Color
Hex	57836C
RGB	87, 131, 108
RGB Percent	34%, 51%, 42%
CMY	0.6596, 0.4871, 0.5773
CMYK	0.34, 0.00, 0.18, 0.49
HSL	149°, 20%, 43%
HSV	149°, 34%, 51%
XYZ	14.6937, 19.2686, 17.0739
YIQ	115.2220, -18.8410, -16.4810

Conversions

Conversions Part 2

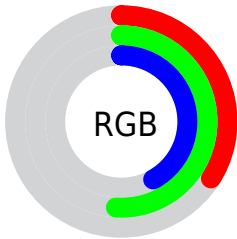
Format	Color
RYB	87, 117, 131
Decimal	5735276
CIELab	51.00, -20.44, 7.67
CIELCh	51, 21.834, 159.442
Yxy	19.2686, 0.2879, 0.3775
Android (android.graphics.Color)	4283925356 (0xFF57836C)
YUV	115.2220, -3.5604, -24.7507
Hunter-Lab	43.8960, -17.0672, 7.6657

Details

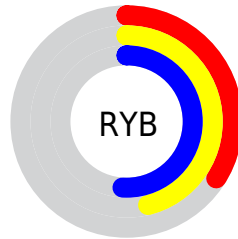
The CIELCh color $51, 21.834, 159.442$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $42, 22.616, 345.428$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 21.908, 159.221$, and $31, 21.396, 160.024$ is the 20% darker color. If you saturate the color by 10%, you get $50, 28.019, 158.294$, and if you desaturate by 10%, it is $52, 15.438, 160.463$.

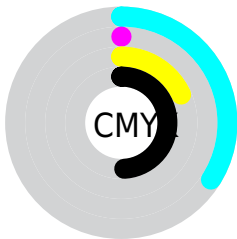
Distribution



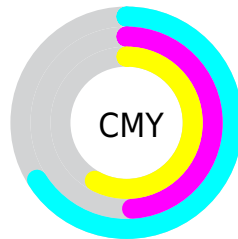
- Red (34%)
- Green (51%)
- Blue (42%)



- Red (34%)
- Yellow (46%)
- Blue (51%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)





- Cyan (66%)
- Magenta (49%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.834, 159.442 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, 21.834, 159.442 by changing the saturation by 10% instead.


 51, 21.834,
159.442


 51, 21.834,
159.442


 100, 21.834,
159.442


 41, 21.834,
159.442


 71, 21.834,
159.442

 31, 21.834,
159.442

 81, 21.834,
159.442

 21, 21.834,
159.442

 91, 21.834,
159.442

 11, 21.834,
159.442

 1, 21.834, 159.442

 0, 21.834, 159.442

■ 51, 21.834,
159.442

■ 51, 21.834,
159.442

■ 50, 28.019,
158.294

■ 52, 15.438,
160.463

■ 49, 33.886,
157.000

■ 53, 8.923, 161.386

■ 49, 39.334,
155.536

■ 54, 2.373, 162.294

■ 56, 4.145, 342.844

■ 48, 44.273,
153.884

■ 57, 10.580,
343.566

■ 48, 48.644,
152.035

■ 58, 16.894,
344.201

■ 48, 52.433,
150.001

■ 60, 23.060,
344.785

■ 48, 54.693,
148.753

■ 62, 29.062,
345.327

■ 63, 34.893,
345.834

Harmonies

Complementary

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



51, 21.834, 159.442



42, 22.616, 345.428

Rectangle

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



51, 21.834, 159.442



51, 21.834, 209.442



51, 21.834, 339.442



51, 21.834, 29.442

Sweetspot

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



51, 21.835, 159.441



68, 8.137, 161.685



52, 26.583, 126.353



36, 5.596, 161.579



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, 21.835, 159.441



65, 32.062, 158.618



52, 15.894, 194.698



27, 3.730, 161.780



47, 54.455, 148.767



1, 0.894, 162.457

Inverse Universe

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



42, 22.616, 345.428



52, 33.409, 346.244



42, 19.593, 19.687



26, 3.771, 343.120



27, 51.829, 358.585



0, 0.894, 342.447

Previews

White Background



This preview shows how the CIELCh color 51, 21.834, 159.442 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, 21.834, 159.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

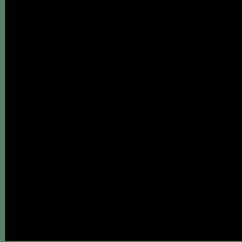
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 21.834, 159.442

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.834, 159.442.



This preview shows how white text looks on a background with the CIELCh color 51, 21.834, 159.442.

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, 21.834, 159.442

Protanopia
51, 10.744, 95.053

Deuteranopia
51, 8.746, 43.552



Tritanopia
51, 13.233, 224.625

Trichromacy



Original Color
51, 21.834, 159.442

Protanomaly
51, 12.815, 133.471

Deuteranomaly
51, 7.176, 122.547

Tritanomaly
51, 13.732, 193.088

Monochromacy



Original Color
51, 21.834, 159.442

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.360, 159.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.834, 159.442 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(87, 131, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 131, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.834, 159.442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

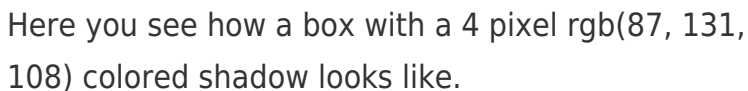
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 131, 108) }
```

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

```
.border{ border-color:rgb(87, 131, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 131, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 131, 108); box-shadow:4px 4px 4px 4px rgb(87, 131, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.834, 159.442 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, 108) }
```

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

```
.background{ background-color: rgb(87, 131,  
108) }
```

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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