

Converting Colors

CIELCh(51, 35.058, 171.480)

Have a look what the booklet for
CIELCh(51, 35.058, 171.480)
contains.

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Color

CIELCh(51, 34.713, 172.149)

Conversions

Conversions Part 1

Format	Color
Hex	248870
RGB	36, 136, 112
RGB Percent	14%, 53%, 44%
CMY	0.8605, 0.4651, 0.5593
CMYK	0.74, 0.00, 0.18, 0.47
HSL	166°, 59%, 34%
HSV	166°, 74%, 53%
XYZ	12.5201, 19.2686, 18.5013
YIQ	103.3640, -51.8960, -28.6640

Conversions

Conversions Part 2

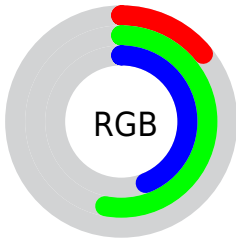
Format	Color
R_{YB}	36, 93, 136
Decimal	2394224
CIE _{Lab}	51.00, -34.39, 4.74
CIE _{LCh}	51, 34.713, 172.149
Yxy	19.2686, 0.2490, 0.3832
Android (android.graphics.Color)	4280584304 (0xFF248870)
YUV	103.3640, 4.2575, -59.0782
Hunter-Lab	43.8960, -25.9060, 5.7377

Details

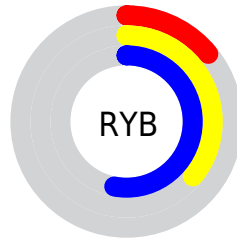
The CIELCh color **51, 34.713, 172.149** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 45.205, 13.417**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 34.534, 172.365**, and **32, 28.974, 168.089** is the 20% darker color. If you saturate the color by 10%, you get **51, 37.410, 170.541**, and if you desaturate by 10%, it is **51, 31.418, 173.596**.

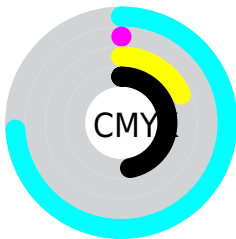
Distribution



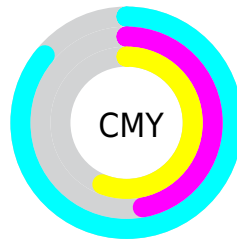
- Red (14%)
- Green (53%)
- Blue (44%)



- Red (14%)
- Yellow (36%)
- Blue (53%)



- Cyan (74%)
- Magenta (0%)
- Yellow (18%)
- Black (47%)





- Cyan (86%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 34.713, 172.149 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, 34.713, 172.149 by changing the saturation by 10% instead.


 51, 34.713,
172.149


 51, 34.713,
172.149


 100, 34.713,
172.149


 41, 34.713,
172.149


 71, 34.713,
172.149

 31, 34.713,
172.149


 81, 34.713,
172.149

 21, 34.713,
172.149

 91, 34.713,
172.149

 11, 34.713,
172.149

 1, 34.713, 172.149

 0, 34.713, 172.149

■ 51, 34.713,
172.149

■ 51, 34.713,
172.149

■ 51, 37.410,
170.541

■ 51, 31.418,
173.596

■ 50, 39.531,
168.764

■ 52, 27.553,
174.906

■ 50, 40.705,
167.689

■ 53, 23.175,
176.099

■ 53, 18.365,
177.198

■ 54, 13.211,
178.221

■ 55, 7.802, 179.191

■ 56, 2.218, 180.210

■ 58, 3.467, 0.785



Harmonies

Complementary

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



51, 34.713, 172.149



31, 45.205, 13.417

Rectangle

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



51, 34.713, 172.149



51, 34.713, 222.149



51, 34.713, 352.149



51, 34.713, 42.149

Sweetspot

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



51, 34.713, 172.148



70, 15.169, 178.362



50, 61.446, 133.525



36, 10.114, 178.136



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 34.713, 172.148



65, 47.466, 169.299



44, 24.856, 235.521



29, 3.203, 179.649



49, 39.847, 167.747



1, 1.503, 180.393

Inverse Universe

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



31, 45.205, 13.417



38, 64.391, 20.601



35, 43.164, 44.992



27, 3.305, 1.150



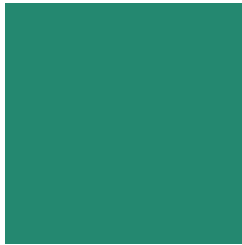
27, 55.145, 24.730



0, 1.503, 0.378

Previews

White Background



This preview shows how the CIELCh color 51, 34.713, 172.149 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, 34.713, 172.149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

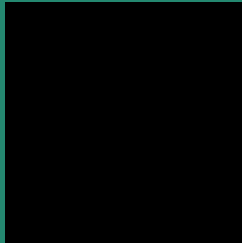
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 34.713, 172.149

Background



This preview shows how black text looks on a background with the CIELCh color 51, 34.713, 172.149.

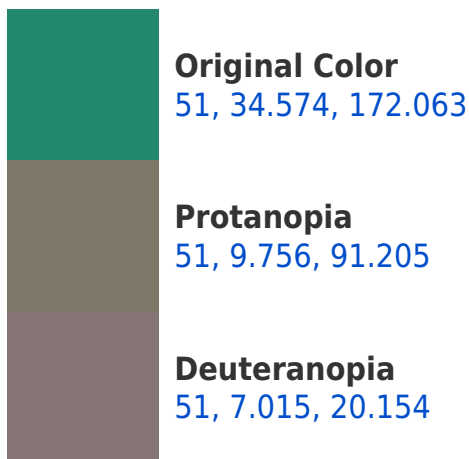


This preview shows how white text looks on a background with the CIELCh color 51, 34.713, 172.149.

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





Tritanopia
51, 24.439, 212.570

Trichromacy



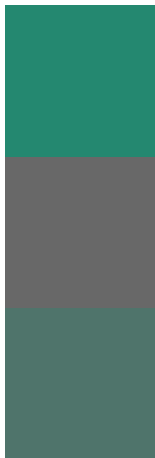
Original Color
51, 34.574, 172.063

Protanomaly
50, 16.984, 156.882

Deuteranomaly
50, 11.531, 170.958

Tritanomaly
51, 26.860, 194.246

Monochromacy



Original Color
51, 34.574, 172.063

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 15.254, 177.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 34.713, 172.149 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(36, 136, 112)` looks like.

```
.text, #text, p{  
    color:rgb(36, 136, 112)  
}
```

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(36, 136, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 136, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 34.713, 172.149 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(36, 136, 112) }
```

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

```
.border{ border-color:rgb(36, 136, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 136, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 136, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 136, 112);  
box-shadow:4px 4px 4px 4px rgb(36, 136,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 34.713, 172.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 136, 112) }
```

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

```
.background{ background-color: rgb(36, 136,  
112) }
```

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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