

Converting Colors

CIELCh(51, 34.034, 137.575)

Have a look what the booklet for
CIELCh(51, 34.034, 137.575)
contains.

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Color

CIELCh(51, 34.020, 137.394)

Conversions

Conversions Part 1

Format	Color
Hex	5A8451
RGB	90, 132, 81
RGB Percent	35%, 52%, 32%
CMY	0.6471, 0.4824, 0.6824
CMYK	0.32, 0.00, 0.39, 0.48
HSL	109°, 24%, 42%
HSV	109°, 39%, 52%
XYZ	13.9516, 19.2686, 10.7675
YIQ	113.6280, -8.6610, -24.7650

Conversions

Conversions Part 2

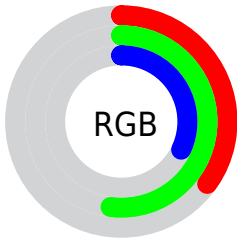
Format	Color
R_{YB}	81, 132, 123
Decimal	5932113
CIE _{Lab}	51.00, -25.04, 23.03
CIE _{LCh}	51, 34.020, 137.394
Yxy	19.2686, 0.3172, 0.4380
Android (android.graphics.Color)	4284122193 (0xFF5A8451)
YUV	113.6280, -16.0856, -20.7218
Hunter-Lab	43.8960, -20.0850, 16.1836

Details

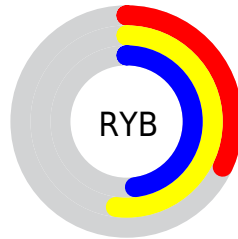
The CIELCh color $51, 34.020, 137.394$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $41, 34.492, 321.170$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 33.673, 137.191$, and $31, 34.033, 137.471$ is the 20% darker color. If you saturate the color by 10%, you get $50, 42.463, 136.710$, and if you desaturate by 10%, it is $52, 25.298, 138.036$.

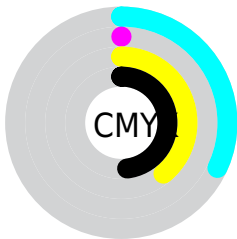
Distribution



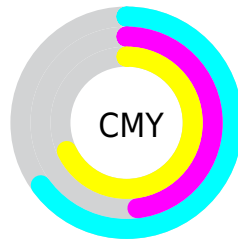
- Red (35%)
- Green (52%)
- Blue (32%)



- Red (32%)
- Yellow (52%)
- Blue (48%)



- Cyan (32%)
- Magenta (0%)
- Yellow (39%)
- Black (48%)





- Cyan (65%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 34.020, 137.394 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, 34.020, 137.394 by changing the saturation by 10% instead.


 51, 34.020,
137.394


 51, 34.020,
137.394


 100, 34.020,
137.394


 41, 34.020,
137.394


 71, 34.020,
137.394

 31, 34.020,
137.394

 81, 34.020,
137.394

 21, 34.020,
137.394

 91, 34.020,
137.394

 11, 34.020,
137.394

 1, 34.020, 137.394

 0, 34.020, 137.394

■ 51, 34.020,
137.394

■ 51, 34.020,
137.394

■ 50, 42.463,
136.710

■ 52, 25.298,
138.036

■ 50, 50.419,
136.019

■ 53, 16.450,
138.618

■ 49, 57.621,
135.387

■ 54, 7.590, 139.142

■ 48, 63.737,
134.910

■ 55, 1.197, 319.436

■ 57, 9.850, 319.940

■ 48, 68.416,
134.707

■ 58, 18.330,
320.281

■ 48, 71.717,
134.695

■ 60, 26.610,
320.570

■ 48, 72.140,
134.664

■ 61, 34.675,
320.815

■ 63, 42.517,
321.025

Harmonies

Complementary

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



51, 34.020, 137.394



41, 34.492, 321.170

Rectangle

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



51, 34.020, 137.394



51, 34.020, 187.394



51, 34.020, 317.394



51, 34.020, 7.394

Sweetspot

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



51, 34.021, 137.395



68, 13.045, 138.957



51, 24.277, 97.069



36, 8.725, 138.902



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, 34.021, 137.395



64, 49.674, 136.822



51, 28.591, 151.745



27, 4.975, 139.117



47, 71.356, 134.651



1, 1.188, 139.513

Inverse Universe

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



41, 34.492, 321.170



49, 50.441, 321.489



41, 28.968, 337.796



26, 5.000, 319.887



26, 71.176, 321.722



0, 1.189, 319.509

Previews

White Background



This preview shows how the CIELCh color 51, 34.020, 137.394 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, 34.020, 137.394 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, 34.020, 137.394

Background



This preview shows how black text looks on a background with the CIELCh color 51, 34.020, 137.394.



This preview shows how white text looks on a background with the CIELCh color 51, 34.020, 137.394.

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, 34.020, 137.394

Protanopia

51, 25.773, 95.658

Deuteranopia

51, 22.240, 73.016



Tritanopia
51, 10.952, 230.960

Trichromacy



Original Color
51, 34.020, 137.394

Protanomaly
51, 27.039, 114.251

Deuteranomaly
51, 21.877, 104.976

Tritanomaly
51, 14.677, 166.770

Monochromacy



Original Color
51, 34.020, 137.394

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 12.967, 139.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 34.020, 137.394 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(90, 132, 81)` looks like.

```
.text, #text, p{  
    color:rgb(90, 132, 81)  
}
```

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(90, 132, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 132, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 34.020, 137.394 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(90, 132, 81) }
```

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

```
.border{ border-color:rgb(90, 132, 81) }
```

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

Here you see how a box with a 4 pixel rgb(90, 132, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 132, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 132, 81);  
box-shadow:4px 4px 4px 4px rgb(90, 132,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 34.020, 137.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 132, 81) }
```

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

```
.background{ background-color: rgb(90, 132,  
81) }
```

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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