

Converting Colors

CIELCh(55, 38.030, 140.513)

Have a look what the booklet for
CIELCh(55, 38.030, 140.513)
contains.

CIELCh(55, 38.191, 140.413)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 38.191, 140.413)

Conversions

Conversions Part 1

Format	Color
Hex	5B9058
RGB	91, 144, 88
RGB Percent	36%, 56%, 35%
CMY	0.6426, 0.4347, 0.6544
CMYK	0.37, 0.00, 0.39, 0.43
HSL	117°, 24%, 46%
HSV	117°, 39%, 57%
XYZ	16.0915, 22.9298, 12.8400
YIQ	121.7690, -13.6120, -28.6520

Conversions

Conversions Part 2

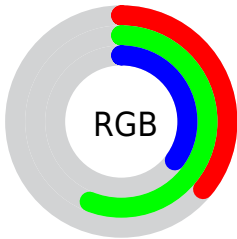
Format	Color
R_{YB}	88, 144, 141
Decimal	6000728
CIE _{Lab}	55.00, -29.43, 24.34
CIE _{LCh}	55, 38.191, 140.413
Yxy	22.9298, 0.3103, 0.4421
Android (android.graphics.Color)	4284190808 (0xFF5B9058)
YUV	121.7690, -16.6481, -26.9844
Hunter-Lab	47.8851, -23.8152, 17.6214

Details

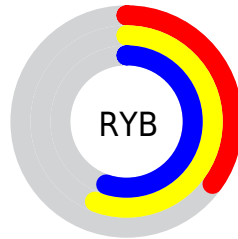
The CIELCh color $55, 38.191, 140.413$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 38.287, 324.890$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 37.923, 140.743$, and $35, 38.206, 140.153$ is the 20% darker color. If you saturate the color by 10%, you get $54, 47.505, 139.519$, and if you desaturate by 10%, it is $56, 28.490, 141.220$.

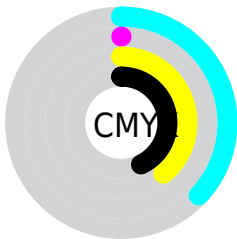
Distribution



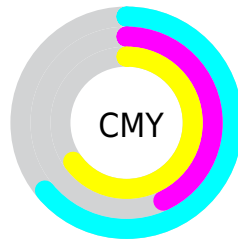
- Red (36%)
- Green (56%)
- Blue (35%)



- Red (35%)
- Yellow (56%)
- Blue (55%)



- Cyan (37%)
- Magenta (0%)
- Yellow (39%)
- Black (43%)





- Cyan (64%)
- Magenta (43%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 38.191, 140.413 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 55, 38.191, 140.413 by changing the saturation by 10% instead.


 55, 38.191,
140.413


 55, 38.191,
140.413


 100, 38.191,
140.413


 45, 38.191,
140.413


 75, 38.191,
140.413

 35, 38.191,
140.413

 85, 38.191,
140.413

 25, 38.191,
140.413

 95, 38.191,
140.413

 15, 38.191,
140.413

 5, 38.191, 140.413

 0, 38.191, 140.413

■ 55, 38.191,
140.413

■ 55, 38.191,
140.413

■ 54, 47.505,
139.519

■ 56, 28.490,
141.220

■ 53, 56.166,
138.567

■ 57, 18.606,
141.931

■ 53, 63.851,
137.622

■ 59, 8.697, 142.554

■ 60, 1.121, 322.883

■ 52, 70.178,
136.786

■ 62, 10.767,
323.483

■ 52, 74.772,
136.188

■ 63, 20.184,
323.871

■ 52, 77.691,
135.781

■ 65, 29.340,
324.196

■ 52, 77.995,
135.716

■ 67, 38.217,
324.473

■ 69, 46.810,
324.707

Harmonies

Complementary

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



55, 38.191, 140.413



45, 38.287, 324.890

Rectangle

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



55, 38.191, 140.413



55, 38.191, 190.413



55, 38.191, 320.413



55, 38.191, 10.413

Sweetspot

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



55, 38.192, 140.413



73, 14.546, 142.351



58, 29.216, 103.477



39, 9.730, 142.281



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 38.192, 140.413



69, 56.370, 139.602



55, 28.153, 156.690



30, 5.502, 142.535



49, 74.399, 135.692



2, 3.703, 143.001

Inverse Universe

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



45, 38.287, 324.890



54, 56.421, 325.281



45, 29.030, 343.611



28, 5.516, 323.434



30, 72.305, 326.182



1, 3.703, 322.996

Previews

White Background



This preview shows how the CIE LCh color 55, 38.191, 140.413 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 55, 38.191, 140.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

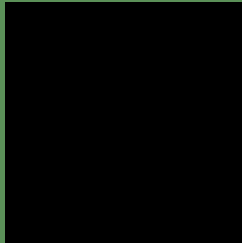
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 38.191, 140.413

Background



This preview shows how black text looks on a background with the CIELCh color 55, 38.191, 140.413.



This preview shows how white text looks on a background with the CIELCh color 55, 38.191, 140.413.

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
55, 38.191, 140.413

Protanopia
55, 27.707, 95.586

Deuteranopia
55, 23.687, 71.993



Tritanopia
55, 13.637, 226.166

Trichromacy



Original Color
55, 38.191, 140.413

Protanomaly
55, 29.135, 117.018

Deuteranomaly
54, 23.251, 107.287

Tritanomaly
55, 17.857, 170.832

Monochromacy



Original Color
55, 38.191, 140.413

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 13.947, 142.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 38.191, 140.413 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(91, 144, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 144, 88)  
}
```

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(91, 144, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 144, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 38.191, 140.413 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(91, 144, 88) }
```

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

```
.border{ border-color:rgb(91, 144, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 144, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 144, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 144, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 144,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 38.191, 140.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 144, 88) }
```

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

```
.background{ background-color: rgb(91, 144,  
88) }
```

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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