

Converting Colors

CIELCh(55, 38.299, 139.260)

Have a look what the booklet for
CIELCh(55, 38.299, 139.260)
contains.

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Color

CIELCh(55, 38.235, 139.122)

Conversions

Conversions Part 1

Format	Color
Hex	5D9057
RGB	93, 144, 87
RGB Percent	36%, 56%, 34%
CMY	0.6356, 0.4356, 0.6591
CMYK	0.35, 0.00, 0.40, 0.44
HSL	114°, 25%, 45%
HSV	114°, 40%, 56%
XYZ	16.1828, 22.9298, 12.5726
YIQ	122.2530, -12.0990, -28.5390

Conversions

Conversions Part 2

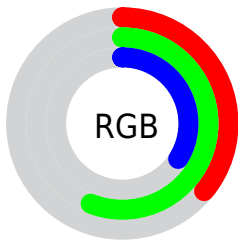
Format	Color
R_{YB}	87, 144, 138
Decimal	6131799
CIE _{Lab}	55.00, -28.91, 25.02
CIE _{LCh}	55, 38.235, 139.122
Yxy	22.9298, 0.3131, 0.4436
Android (android.graphics.Color)	4284321879 (0xFF5D9057)
YUV	122.2530, -17.3797, -25.6549
Hunter-Lab	47.8851, -23.4746, 17.9525

Details

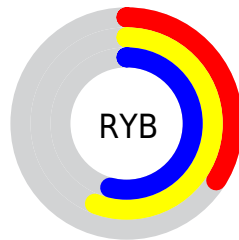
The CIELCh color $55, 38.235, 139.122$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 38.501, 323.385$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 38.415, 139.051$, and $35, 38.271, 138.941$ is the 20% darker color. If you saturate the color by 10%, you get $54, 47.398, 138.316$, and if you desaturate by 10%, it is $56, 28.706, 139.864$.

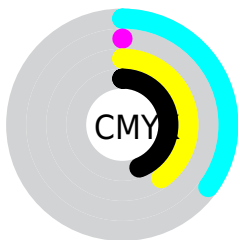
Distribution



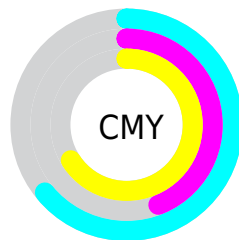
- Red (36%)
- Green (56%)
- Blue (34%)



- Red (34%)
- Yellow (56%)
- Blue (54%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (44%)





- Cyan (64%)
- Magenta (44%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 38.235, 139.122 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, 38.235, 139.122 by changing the saturation by 10% instead.


 55, 38.235,
139.122


 55, 38.235,
139.122


 100, 38.235,
139.122

 45, 38.235,
139.122


 75, 38.235,
139.122

 35, 38.235,
139.122

 85, 38.235,
139.122

 25, 38.235,
139.122

 95, 38.235,
139.122

 15, 38.235,
139.122

 5, 38.235, 139.122

 0, 38.235, 139.122

■ 55, 38.235,
139.122

■ 55, 38.235,
139.122

■ 54, 47.398,
138.316

■ 56, 28.706,
139.864

■ 53, 55.939,
137.479

■ 57, 19.000,
140.525

■ 53, 63.541,
136.681

■ 58, 9.267, 141.110

■ 52, 69.827,
136.026

■ 60, 0.388, 321.115

■ 61, 9.886, 321.993

■ 52, 74.419,
135.638

■ 63, 19.177,
322.365

■ 52, 77.453,
135.414

■ 65, 28.228,
322.677

■ 52, 77.564,
135.396

■ 66, 37.021,
322.942

■ 68, 45.548,
323.167

Harmonies

Complementary

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



55, 38.235, 139.122



45, 38.501, 323.385

Rectangle

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



55, 38.235, 139.122



55, 38.235, 189.122



55, 38.235, 319.122



55, 38.235, 9.122

Sweetspot

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



55, 38.236, 139.123



74, 14.307, 140.961



57, 28.384, 100.809



39, 9.570, 140.897



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, 38.236, 139.123



69, 56.627, 138.367



55, 29.809, 154.355



30, 5.412, 141.133



49, 74.062, 135.358



2, 3.643, 141.569

Inverse Universe

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



45, 38.501, 323.385



53, 56.989, 323.758



44, 30.479, 341.092



28, 5.431, 321.977



29, 72.607, 324.260



1, 3.644, 321.565

Previews

White Background



This preview shows how the CIELCh color 55, 38.235, 139.122 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, 38.235, 139.122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

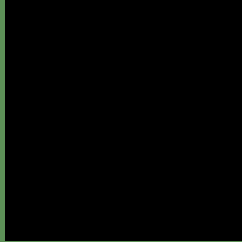
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 38.235, 139.122

Background



This preview shows how black text looks on a background with the CIELCh color 55, 38.235, 139.122.



This preview shows how white text looks on a background with the CIELCh color 55, 38.235, 139.122.

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, 38.235, 139.122

Protanopia
55, 28.247, 95.714

Deuteranopia
55, 24.168, 72.657



Tritanopia
55, 13.074, 227.518

Trichromacy



Original Color
55, 38.235, 139.122

Protanomaly
55, 29.587, 115.966

Deuteranomaly
54, 23.809, 106.163

Tritanomaly
55, 17.249, 169.889

Monochromacy



Original Color
55, 38.235, 139.122

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 14.436, 141.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 38.235, 139.122 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(93, 144, 87)` looks like.

```
.text, #text, p{  
    color:rgb(93, 144, 87)  
}
```

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(93, 144, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 144, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 38.235, 139.122 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(93, 144, 87) }
```

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

```
.border{ border-color:rgb(93, 144, 87) }
```

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

Here you see how a box with a 4 pixel rgb(93, 144, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 144, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 144, 87);  
box-shadow:4px 4px 4px 4px rgb(93, 144,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 38.235, 139.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 144, 87) }
```

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

```
.background{ background-color: rgb(93, 144,  
87) }
```

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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