

Converting Colors

CIELCh(55, 39.264, 140.073)

Have a look what the booklet for
CIELCh(55, 39.264, 140.073)
contains.

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Color

CIELCh(55, 38.863, 140.376)

Conversions

Conversions Part 1

Format	Color
Hex	5A9057
RGB	90, 144, 87
RGB Percent	35%, 56%, 34%
CMY	0.6458, 0.4340, 0.6576
CMYK	0.37, 0.00, 0.40, 0.43
HSL	117°, 25%, 45%
HSV	117°, 40%, 57%
XYZ	16.0040, 22.9298, 12.6651
YIQ	121.3560, -13.8870, -29.1750

Conversions

Conversions Part 2

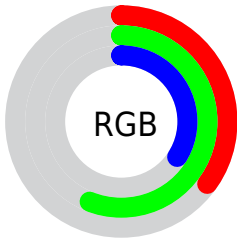
Format	Color
R_{YB}	87, 144, 141
Decimal	5935191
CIE _{Lab}	55.00, -29.93, 24.78
CIE _{LCh}	55, 38.863, 140.376
Yxy	22.9298, 0.3102, 0.4444
Android (android.graphics.Color)	4284125271 (0xFF5A9057)
YUV	121.3560, -16.9375, -27.4992
Hunter-Lab	47.8851, -24.1412, 17.8381

Details

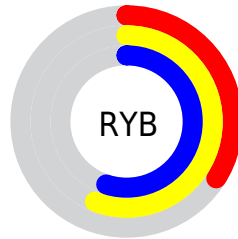
The CIELCh color **55, 38.863, 140.376** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **45, 38.955, 324.944**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 39.021, 140.312**, and **35, 39.052, 140.387** is the 20% darker color. If you saturate the color by 10%, you get **54, 48.154, 139.475**, and if you desaturate by 10%, it is **56, 29.169, 141.191**.

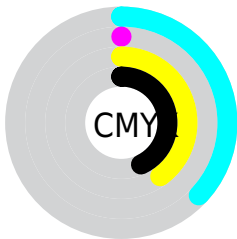
Distribution



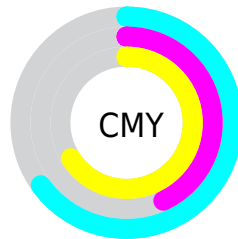
- Red (35%)
- Green (56%)
- Blue (34%)



- Red (34%)
- Yellow (56%)
- Blue (55%)



- Cyan (37%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)





- Cyan (65%)
- Magenta (43%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 38.863, 140.376 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, 38.863, 140.376 by changing the saturation by 10% instead.


 55, 38.863,
140.376


 55, 38.863,
140.376


 100, 38.863,
140.376


 45, 38.863,
140.376


 75, 38.863,
140.376

 35, 38.863,
140.376

 85, 38.863,
140.376

 25, 38.863,
140.376

 95, 38.863,
140.376

 15, 38.863,
140.376

 5, 38.863, 140.376

 0, 38.863, 140.376

■ 55, 38.863,
140.376

■ 55, 38.863,
140.376

■ 54, 48.154,
139.475

■ 56, 29.169,
141.191

■ 53, 56.771,
138.519

■ 57, 19.278,
141.909

■ 53, 64.386,
137.575

■ 59, 9.354, 142.537

■ 52, 70.614,
136.748

■ 60, 0.486, 322.649

■ 52, 75.085,
136.168

■ 62, 10.157,
323.478

■ 52, 77.941,
135.749

■ 63, 19.602,
323.871

■ 52, 78.072,
135.721

■ 65, 28.787,
324.201

■ 67, 37.694,
324.480

■ 69, 46.315,
324.718

Harmonies

Complementary

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



55, 38.863, 140.376



45, 38.955, 324.944

Rectangle

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



55, 38.863, 140.376



55, 38.863, 190.376



55, 38.863, 320.376



55, 38.863, 10.376

Sweetspot

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



55, 38.864, 140.376



74, 14.712, 142.372



58, 29.723, 103.411



39, 9.733, 142.303



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, 38.864, 140.376



70, 57.008, 139.616



55, 28.636, 156.614



30, 5.504, 142.557



49, 74.404, 135.697



2, 3.704, 143.023

Inverse Universe

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



45, 38.955, 324.944



55, 57.054, 325.308



44, 29.538, 343.682



28, 5.517, 323.457



30, 72.301, 326.213



1, 3.704, 323.019

Previews

White Background



This preview shows how the CIELCh color 55, 38.863, 140.376 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, 38.863, 140.376 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, 38.863, 140.376

Background



This preview shows how black text looks on a background with the CIELCh color 55, 38.863, 140.376.



This preview shows how white text looks on a background with the CIELCh color 55, 38.863, 140.376.

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, 38.863, 140.376

Protanopia
55, 28.247, 95.714

Deuteranopia
55, 23.687, 71.993



Tritanopia
55, 13.637, 226.166

Trichromacy



Original Color
55, 38.863, 140.376

Protanomaly
55, 29.667, 116.783

Deuteranomaly
54, 23.806, 107.217

Tritanomaly
55, 17.857, 170.832

Monochromacy



Original Color
55, 38.863, 140.376

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 14.661, 142.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 38.863, 140.376 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, 144, 87)` looks like.

```
.text, #text, p{  
    color:rgb(90, 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(90, 144, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 144, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 38.863, 140.376 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, 144, 87) }
```

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

```
.border{ border-color:rgb(90, 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(90, 144, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 144, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 144, 87);  
box-shadow:4px 4px 4px 4px rgb(90, 144,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 38.863, 140.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 144, 87) }
```

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

```
.background{ background-color: rgb(90, 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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