

Converting Colors

CIELCh(55, 66.236, 138.515)

Have a look what the booklet for
CIELCh(55, 66.236, 138.515)
contains.

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Color

CIELCh(55, 66.540, 138.481)

Conversions

Conversions Part 1

Format	Color
Hex	309730
RGB	48, 151, 48
RGB Percent	19%, 59%, 19%
CMY	0.8124, 0.4083, 0.8122
CMYK	0.68, 0.00, 0.68, 0.41
HSL	120°, 52%, 39%
HSV	120°, 68%, 59%
XYZ	12.7890, 22.9298, 6.5353
YIQ	108.4610, -28.3250, -53.8690

Conversions

Conversions Part 2

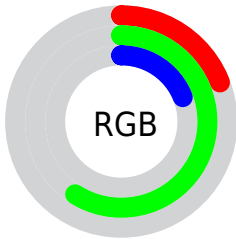
Format	Color
RYB	48, 151, 151
Decimal	3184432
CIELab	55.00, -49.82, 44.11
CIELCh	55, 66.540, 138.481
Yxy	22.9298, 0.3027, 0.5427
Android (android.graphics.Color)	4281374512 (0xFF309730)
YUV	108.4610, -29.8073, -53.0243
Hunter-Lab	47.8851, -36.1259, 25.4278

Details

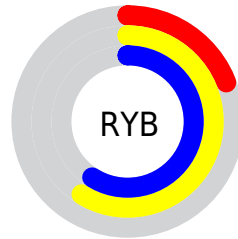
The CIELCh color **55, 66.540, 138.481** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **39, 65.527, 327.683**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 66.500, 138.458**, and **36, 59.853, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 73.039, 137.451**, and if you desaturate by 10%, it is **56, 58.564, 139.592**.

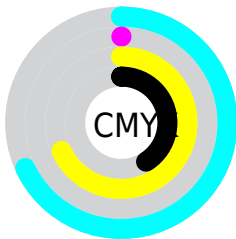
Distribution



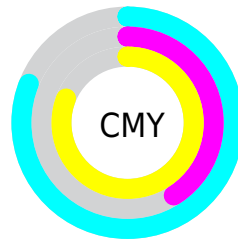
- Red (19%)
- Green (59%)
- Blue (19%)



- Red (19%)
- Yellow (59%)
- Blue (19%)



- Cyan (68%)
- Magenta (0%)
- Yellow (68%)
- Black (41%)





- Cyan (81%)
- Magenta (41%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 66.540, 138.481 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, 66.540, 138.481 by changing the saturation by 10% instead.


 55, 66.540,
138.481


 55, 66.540,
138.481


 100, 66.540,
138.481


 45, 66.540,
138.481


 75, 66.540,
138.481

 35, 66.540,
138.481

 85, 66.540,
138.481

 25, 66.540,
138.481

 95, 66.540,
138.481

 15, 66.540,
138.481

 5, 66.540, 138.481

 0, 66.540, 138.481

■ 55, 66.540,
138.481

■ 55, 66.540,
138.481

■ 55, 73.039,
137.451

■ 56, 58.564,
139.592

■ 54, 77.679,
136.638

■ 56, 49.507,
140.677

■ 54, 80.512,
136.107

■ 57, 39.720,
141.676

■ 54, 80.962,
136.020

■ 58, 29.492,
142.564

■ 60, 19.057,
143.335

■ 61, 8.594, 144.006

■ 63, 1.766, 324.423

■ 64, 11.927,
324.998

■ 66, 21.830,
325.409

Harmonies

Complementary

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



55, 66.540, 138.481



39, 65.527, 327.683

Rectangle

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



55, 66.540, 138.481



55, 66.540, 188.481



55, 66.540, 318.481



55, 66.540, 8.481

Sweetspot

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



55, 66.540, 138.482



76, 25.842, 143.182



61, 53.421, 104.150



40, 17.777, 142.987



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 66.540, 138.482



70, 92.075, 136.980



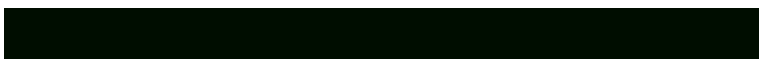
56, 45.797, 155.780



32, 5.929, 143.946



50, 76.759, 136.021



3, 6.383, 144.454

Inverse Universe

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



39, 65.527, 327.683



48, 89.630, 328.055



37, 48.136, 351.976



30, 5.938, 324.924



33, 74.046, 328.248



1, 6.384, 324.451

Previews

White Background



This preview shows how the CIE LCh color 55, 66.540, 138.481 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, 66.540, 138.481 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, 66.540, 138.481

Background



This preview shows how black text looks on a background with the CIELCh color 55, 66.540, 138.481.



This preview shows how white text looks on a background with the CIELCh color 55, 66.540, 138.481.

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, 66.540, 138.481

Protanopia

55, 47.734, 95.765

Deuteranopia

54, 42.004, 80.047



Tritanopia
55, 21.498, 214.838

Trichromacy



Original Color
55, 66.540, 138.481



Protanomaly
54, 50.979, 118.522



Deuteranomaly
53, 43.998, 113.135



Tritanomaly
55, 33.320, 164.003

Monochromacy



Original Color
55, 66.540, 138.481



Achromatopsia
46, 0.006, 296.813



Achromatomaly
48, 27.202, 142.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 66.540, 138.481 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(48, 151, 48)` looks like.

```
.text, #text, p{  
    color:rgb(48, 151, 48)  
}
```

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(48, 151, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 151, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 66.540, 138.481 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(48, 151, 48) }
```

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

```
.border{ border-color:rgb(48, 151, 48) }
```

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

Here you see how a box with a 4 pixel rgb(48, 151, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 151, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 151, 48);  
box-shadow:4px 4px 4px 4px rgb(48, 151,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 66.540, 138.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 151, 48) }
```

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

```
.background{ background-color: rgb(48, 151,  
48) }
```

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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