

Converting Colors

CIELCh(55, 81.433, 135.686)

Have a look what the booklet for
CIELCh(55, 81.433, 135.686)
contains.

CIELCh(55, 81.382, 135.641)	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, 81.382, 135.641)

Conversions

Conversions Part 1

Format	Color
Hex	0C9900
RGB	12, 153, 0
RGB Percent	5%, 60%, 0%
CMY	0.9539, 0.3992, 0.9984
CMYK	0.92, 0.00, 1.00, 0.40
HSL	116°, 99%, 30%
HSV	116°, 100%, 60%
XYZ	11.5768, 22.9298, 3.8274
YIQ	93.3990, -34.9230, -77.4750

Conversions

Conversions Part 2

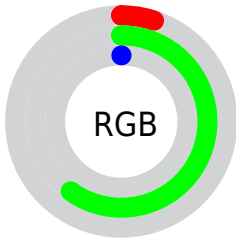
Format	Color
RYB	0, 153, 141
Decimal	825600
CIELab	55.00, -58.19, 56.90
CIElCh	55, 81.382, 135.641
Yxy	22.9298, 0.3020, 0.5982
Android (android.graphics.Color)	4279015680 (0xFF0C9900)
YUV	93.3990, -46.0457, -71.3869
Hunter-Lab	47.8851, -40.6445, 28.7806

Details

The CIELCh color **55, 81.382, 135.641** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **34, 79.288, 325.380**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 81.381, 135.598**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.453, 135.628**, and if you desaturate by 10%, it is **55, 78.471, 135.945**.

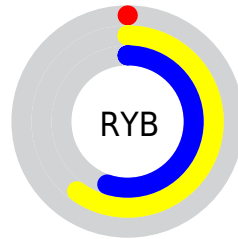
Distribution



Red (5%)

Green (60%)

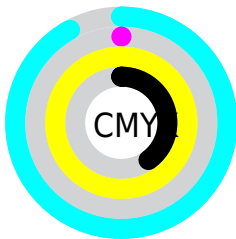
Blue (0%)



Red (0%)

Yellow (60%)

Blue (55%)

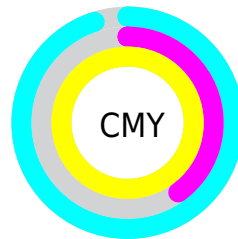


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (95%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.382, 135.641 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, 81.382, 135.641 by changing the saturation by 10% instead.


 55, 81.382,
135.641


 55, 81.382,
135.641


 100, 81.382,
135.641


 45, 81.382,
135.641


 75, 81.382,
135.641

 35, 81.382,
135.641

 85, 81.382,
135.641

 25, 81.382,
135.641

 95, 81.382,
135.641

 15, 81.382,
135.641

 5, 81.382, 135.641

 0, 81.382, 135.641

■ 55, 81.382,
135.641

■ 55, 81.382,
135.641

■ 55, 81.453,
135.628

■ 55, 78.471,
135.945

■ 55, 73.841,
136.428

■ 56, 67.360,
137.176

■ 57, 59.424,
138.060

■ 57, 50.437,
138.971

■ 58, 40.749,
139.840

■ 59, 30.640,
140.631

■ 60, 20.329,

141.331

■ 62, 9.979, 141.946

Harmonies

Complementary

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



55, 81.382, 135.641



34, 79.288, 325.380

Rectangle

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



55, 81.382, 135.641



55, 81.382, 185.641



55, 81.382, 315.641



55, 81.382, 5.641

Sweetspot

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



55, 81.381, 135.642



75, 38.240, 140.566



58, 62.420, 97.333



39, 25.986, 140.269



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, 81.381, 135.642



70, 98.940, 135.723



55, 65.387, 145.734



32, 5.789, 141.976



51, 76.318, 135.587



3, 6.238, 142.469

Inverse Universe

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



34, 79.288, 325.380



45, 96.276, 325.322



33, 59.440, 353.749



30, 5.806, 322.862



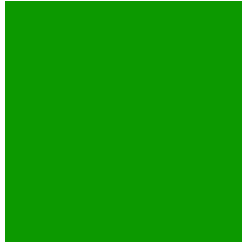
31, 74.388, 325.399



1, 6.220, 322.194

Previews

White Background



This preview shows how the CIELCh color 55, 81.382, 135.641 looks on a white background.

Color Contrast Check

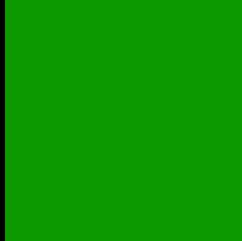
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.382, 135.641 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, 81.382, 135.641

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.382, 135.641.



This preview shows how white text looks on a background with the CIELCh color 55, 81.382, 135.641.

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, 81.341, 135.604

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 52.677, 81.975



Tritanopia
55, 24.175, 214.101

Trichromacy



Original Color
55, 81.341, 135.604



Protanomaly
53, 64.856, 119.306



Deuteranomaly
53, 57.785, 115.217



Tritanomaly
54, 43.893, 156.819

Monochromacy



Original Color
55, 81.341, 135.604



Achromatopsia
40, 0.006, 296.813



Achromatomaly
44, 39.165, 139.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.382, 135.641 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(12, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 153, 0)  
}
```

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(12, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.382, 135.641 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(12, 153, 0) }
```

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

```
.border{ border-color:rgb(12, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.382, 135.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 153, 0) }
```

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

```
.background{ background-color: rgb(12, 153,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor