

Converting Colors

CIELCh(55, 81.727, 135.948)

Have a look what the booklet for
CIELCh(55, 81.727, 135.948)
contains.

CIELCh(55, 81.555, 135.981)	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, 81.555, 135.981)

Conversions

Conversions Part 1

Format	Color
Hex	049902
RGB	4, 153, 2
RGB Percent	2%, 60%, 1%
CMY	0.9831, 0.3986, 0.9934
CMYK	0.97, 0.00, 0.99, 0.40
HSL	119°, 98%, 30%
HSV	119°, 99%, 60%
XYZ	11.5123, 22.9298, 3.8671
YIQ	91.2350, -40.3330, -78.5490

Conversions

Conversions Part 2

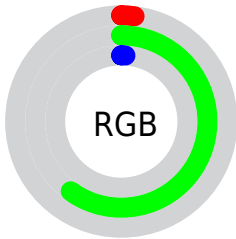
Format	Color
R_{YB}	2, 153, 151
Decimal	301314
CIE _{Lab}	55.00, -58.65, 56.67
CIE _{LCh}	55, 81.555, 135.981
Yxy	22.9298, 0.3005, 0.5985
Android (android.graphics.Color)	4278491394 (0xFF049902)
YUV	91.2350, -43.9929, -76.5051
Hunter-Lab	47.8851, -40.8849, 28.7314

Details

The CIELCh color **55, 81.555, 135.981** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 78.880, 327.554**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 81.342, 136.046**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.841, 135.926**, and if you desaturate by 10%, it is **55, 78.750, 136.463**.

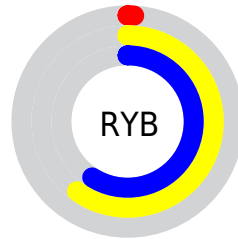
Distribution



Red (2%)

Green (60%)

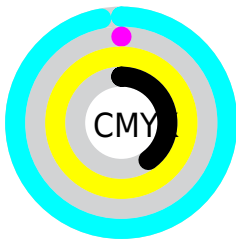
Blue (1%)



Red (1%)

Yellow (60%)

Blue (59%)

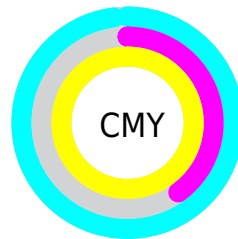


Cyan (97%)

Magenta (0%)

Yellow (99%)

Black (40%)



Cyan (98%)


Magenta (40%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.555, 135.981 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, 81.555, 135.981 by changing the saturation by 10% instead.


 55, 81.555,
135.981


 55, 81.555,
135.981


 100, 81.555,
135.981


 45, 81.555,
135.981


 75, 81.555,
135.981

 35, 81.555,
135.981

 85, 81.555,
135.981

 25, 81.555,
135.981

 95, 81.555,
135.981

 15, 81.555,
135.981

 5, 81.555, 135.981

 0, 81.555, 135.981

■ 55, 81.555,
135.981

■ 55, 81.555,
135.981

■ 55, 81.841,
135.926

■ 55, 78.750,
136.463

■ 55, 74.139,
137.188

■ 56, 67.634,
138.145

■ 56, 59.625,
139.201

■ 57, 50.517,
140.248

■ 58, 40.666,
141.220

■ 59, 30.367,
142.088

■ 61, 19.854,

142.847

■ 62, 9.305, 143.508

Harmonies

Complementary

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



55, 81.555, 135.981



36, 78.880, 327.554

Rectangle

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



55, 81.555, 135.981



55, 81.555, 185.981



55, 81.555, 315.981



55, 81.555, 5.981

Sweetspot

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



55, 81.554, 135.982



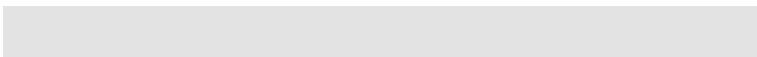
75, 38.943, 141.950



60, 64.472, 100.786



39, 26.457, 141.621



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, 81.554, 135.982



70, 99.251, 135.951



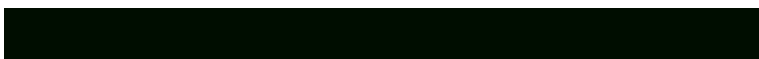
55, 62.098, 148.105



32, 5.897, 143.487



51, 76.662, 135.916



3, 6.350, 143.991

Inverse Universe

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



36, 78.880, 327.554



47, 95.919, 327.545



33, 58.340, 357.897



30, 5.908, 324.442



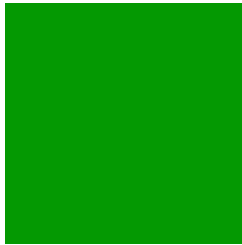
32, 74.123, 327.564



1, 6.346, 323.916

Previews

White Background



This preview shows how the CIELCh color 55, 81.555, 135.981 looks on a white background.

Color Contrast Check

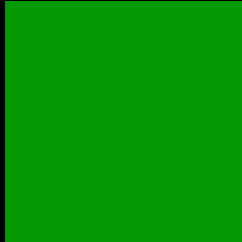
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.555, 135.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

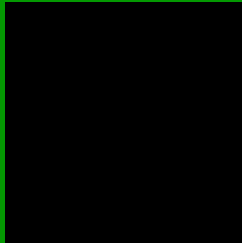
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 81.555, 135.981

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.555, 135.981.



This preview shows how white text looks on a background with the CIELCh color 55, 81.555, 135.981.

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, 81.384, 136.013

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 52.677, 81.975



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 81.384, 136.013



Protanomaly
53, 64.966, 120.050



Deuteranomaly
52, 57.737, 116.146



Tritanomaly
54, 44.632, 157.545

Monochromacy



Original Color
55, 81.384, 136.013



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 39.197, 140.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.555, 135.981 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(4, 153, 2)` looks like.

```
.text, #text, p{  
    color:rgb(4, 153, 2)  
}
```

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(4, 153, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 55, 81.555, 135.981 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(4, 153, 2) }
```

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

```
.border{ border-color:rgb(4, 153, 2) }
```

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

Here you see how a box with a 4 pixel rgb(4, 153, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 153, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 153, 2); box-shadow:4px  
4px 4px 4px rgb(4, 153, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.555, 135.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 153, 2) }
```

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

```
.background{ background-color: rgb(4, 153,  
2) }
```

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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