

Converting Colors

CIELCh(55, 80.133, 134.480)

Have a look what the booklet for
CIELCh(55, 80.133, 134.480)
contains.

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Color

CIELCh(55, 80.218, 134.560)

Conversions

Conversions Part 1

Format	Color
Hex	1D9900
RGB	29, 153, 0
RGB Percent	11%, 60%, 0%
CMY	0.8850, 0.4014, 1.0000
CMYK	0.81, 0.00, 1.00, 0.40
HSL	108°, 100%, 30%
HSV	108°, 100%, 60%
XYZ	11.8451, 22.9298, 3.7823
YIQ	98.4820, -24.7910, -73.8710

Conversions

Conversions Part 2

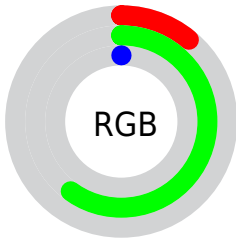
Format	Color
R_{YB}	0, 153, 124
Decimal	1939712
CIE _{Lab}	55.00, -56.29, 57.16
CIE _{LCh}	55, 80.218, 134.560
Yxy	22.9298, 0.3072, 0.5947
Android (android.graphics.Color)	4280129792 (0xFF1D9900)
YUV	98.4820, -48.5516, -60.9357
Hunter-Lab	47.8851, -39.6442, 28.8365

Details

The CIELCh color **55, 80.218, 134.560** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **31, 80.171, 321.079**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 80.458, 134.669**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 80.128, 134.605**, and if you desaturate by 10%, it is **55, 76.848, 134.475**.

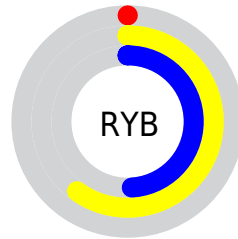
Distribution



Red (11%)

Green (60%)

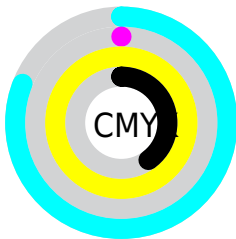
Blue (0%)



Red (0%)

Yellow (60%)

Blue (49%)

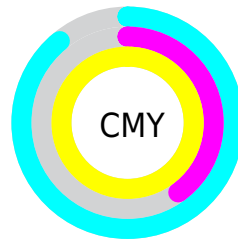


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (89%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 80.218, 134.560 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, 80.218, 134.560 by changing the saturation by 10% instead.


 55, 80.218,
134.560


 55, 80.218,
134.560


 100, 80.218,
134.560


 45, 80.218,
134.560


 75, 80.218,
134.560

 35, 80.218,
134.560

 85, 80.218,
134.560

 25, 80.218,
134.560

 95, 80.218,
134.560

 15, 80.218,
134.560

 5, 80.218, 134.560

 0, 80.218, 134.560

■ 55, 80.218,
134.560

■ 55, 80.218,
134.560

■ 55, 80.128,
134.605

■ 55, 76.848,
134.475

■ 56, 72.007,
134.545

■ 56, 65.458,
134.930

■ 57, 57.594,
135.510

■ 57, 48.810,
136.175

■ 58, 39.427,
136.850

■ 59, 29.692,
137.491

■ 60, 19.790,

138.078

■ 62, 9.857, 138.607

Harmonies

Complementary

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



55, 80.218, 134.560



31, 80.171, 321.079

Rectangle

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



55, 80.218, 134.560



55, 80.218, 184.560



55, 80.218, 314.560



55, 80.218, 4.560

Sweetspot

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



55, 80.128, 134.605



76, 36.836, 137.454



53, 58.337, 88.126



39, 25.038, 137.212



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, 80.128, 134.605



70, 97.709, 134.790



55, 71.778, 141.462



32, 5.579, 138.646



51, 75.254, 134.533



3, 6.021, 139.142

Inverse Universe

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



31, 80.171, 321.079



41, 97.577, 320.946



34, 63.112, 344.562



30, 5.608, 319.425



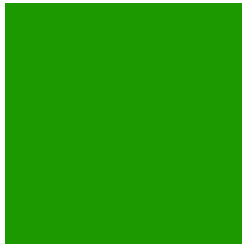
28, 75.350, 321.129



1, 5.992, 318.638

Previews

White Background



This preview shows how the CIELCh color 55, 80.218, 134.560 looks on a white background.

Color Contrast Check

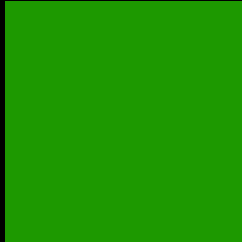
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.218, 134.560 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, 80.218, 134.560

Background



This preview shows how black text looks on a background with the CIELCh color 55, 80.218, 134.560.



This preview shows how white text looks on a background with the CIELCh color 55, 80.218, 134.560.

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, 80.300, 134.638

Protanopia

55, 59.713, 95.016

Deuteranopia

54, 52.473, 82.447



Tritanopia
55, 23.302, 213.304

Trichromacy



Original Color
55, 80.300, 134.638



Protanomaly
53, 63.956, 116.802



Deuteranomaly
53, 56.782, 112.237



Tritanomaly
54, 42.821, 154.870

Monochromacy



Original Color
55, 80.300, 134.638



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 37.635, 136.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 80.218, 134.560 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(29, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 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(29, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 80.218, 134.560 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(29, 153, 0) }
```

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

```
.border{ border-color:rgb(29, 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(29, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(29, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 80.218, 134.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 153, 0) }
```

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

```
.background{ background-color: rgb(29, 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](#).

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