

Converting Colors

CIELCh(55, 81.464, 135.349)

Have a look what the booklet for
CIELCh(55, 81.464, 135.349)
contains.

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Color

CIELCh(55, 81.205, 135.480)

Conversions

Conversions Part 1

Format	Color
Hex	0F9900
RGB	15, 153, 0
RGB Percent	6%, 60%, 0%
CMY	0.9397, 0.3995, 0.9990
CMYK	0.90, 0.00, 1.00, 0.40
HSL	114°, 100%, 30%
HSV	114°, 100%, 60%
XYZ	11.6169, 22.9298, 3.8205
YIQ	94.2960, -33.1350, -76.8390

Conversions

Conversions Part 2

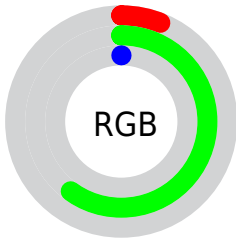
Format	Color
RYB	0, 153, 138
Decimal	1022208
CIELab	55.00, -57.90, 56.94
CIELCh	55, 81.205, 135.480
Yxy	22.9298, 0.3028, 0.5976
Android (android.graphics.Color)	4279212288 (0xFF0F9900)
YUV	94.2960, -46.4879, -69.5426
Hunter-Lab	47.8851, -40.4948, 28.7891

Details

The CIELCh color **55, 81.205, 135.480** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **33, 79.449, 324.450**, 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, 81.249, 135.474**, and if you desaturate by 10%, it is **55, 78.210, 135.690**.

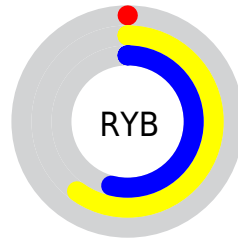
Distribution



Red (6%)

Green (60%)

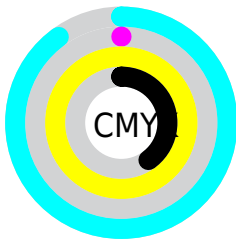
Blue (0%)



Red (0%)

Yellow (60%)

Blue (54%)

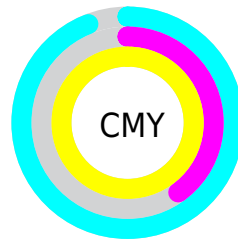


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (94%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.205, 135.480 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, 81.205, 135.480 by changing the saturation by 10% instead.

 55, 81.205,
135.480


 55, 81.205,
135.480


 100, 81.205,
135.480


 45, 81.205,
135.480


 75, 81.205,
135.480

 35, 81.205,
135.480

 85, 81.205,
135.480

 25, 81.205,
135.480

 95, 81.205,
135.480

 15, 81.205,
135.480

 5, 81.205, 135.480

 0, 81.205, 135.480

■ 55, 81.205,
135.480

■ 55, 81.205,
135.480

■ 55, 81.249,
135.474

■ 55, 78.210,
135.690

■ 56, 73.531,
136.080

■ 56, 67.029,
136.745

■ 57, 59.102,
137.559

■ 57, 50.153,
138.414

■ 58, 40.526,
139.238

■ 59, 30.494,
139.995

■ 60, 20.268,

140.669

■ 62, 10.006,
141.264

Harmonies

Complementary

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



55, 81.205, 135.480



33, 79.449, 324.450

Rectangle

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



55, 81.205, 135.480



55, 81.205, 185.480



55, 81.205, 315.480



55, 81.205, 5.480

Sweetspot

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



55, 81.204, 135.481



75, 37.939, 139.940



57, 61.746, 96.115



39, 25.783, 139.656



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, 81.204, 135.481



70, 98.758, 135.588



55, 66.381, 145.032



32, 5.744, 141.298



51, 76.151, 135.426



3, 6.191, 141.790

Inverse Universe

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



33, 79.449, 324.450



44, 96.488, 324.374



33, 59.858, 352.360



30, 5.763, 322.159



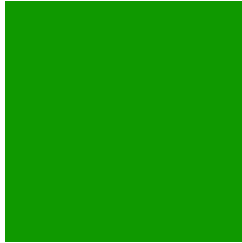
30, 74.545, 324.475



1, 6.169, 321.445

Previews

White Background



This preview shows how the CIELCh color 55, 81.205, 135.480 looks on a white background.

Color Contrast Check

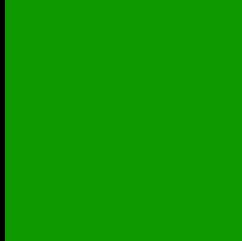
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.205, 135.480 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, 81.205, 135.480

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.205, 135.480.



This preview shows how white text looks on a background with the CIELCh color 55, 81.205, 135.480.

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, 81.205, 135.480

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 52.677, 81.975



Tritanopia
55, 23.973, 214.262

Trichromacy



Original Color
55, 81.205, 135.480



Protanomaly
53, 64.588, 118.607



Deuteranomaly
53, 57.584, 114.360



Tritanomaly
54, 43.582, 156.534

Monochromacy



Original Color
55, 81.205, 135.480



Achromatopsia
40, 0.006, 296.813



Achromatomaly
44, 38.283, 138.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.205, 135.480 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(15, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.205, 135.480 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(15, 153, 0) }
```

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

```
.border{ border-color:rgb(15, 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(15, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(15, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.205, 135.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 153, 0) }
```

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

```
.background{ background-color: rgb(15, 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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