

Converting Colors

CIELCh(55, 63.575, 130.995)

Have a look what the booklet for
CIELCh(55, 63.575, 130.995)
contains.

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Color

CIELCh(55, 63.609, 131.031)

Conversions

Conversions Part 1

Format	Color
Hex	4D9427
RGB	77, 148, 39
RGB Percent	30%, 58%, 15%
CMY	0.6978, 0.4193, 0.8468
CMYK	0.48, 0.00, 0.74, 0.42
HSL	99°, 58%, 37%
HSV	99°, 74%, 58%
XYZ	14.0348, 22.9298, 5.6120
YIQ	114.3450, -7.3270, -48.9510

Conversions

Conversions Part 2

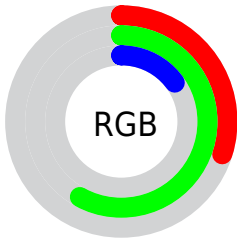
Format	Color
R_{YB}	39, 148, 110
Decimal	5084199
CIE _{Lab}	55.00, -41.76, 47.98
CIE _{LCh}	55, 63.609, 131.031
Yxy	22.9298, 0.3296, 0.5386
Android (android.graphics.Color)	4283274279 (0xFF4D9427)
YUV	114.3450, -37.1451, -32.7516
Hunter-Lab	47.8851, -31.4816, 26.5710

Details

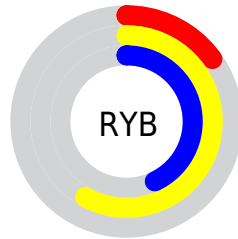
The CIELCh color **55, 63.609, 131.031** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **32, 67.441, 316.795**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 63.918, 130.995**, and **35, 57.614, 134.787** is the 20% darker color. If you saturate the color by 10%, you get **55, 69.438, 131.106**, and if you desaturate by 10%, it is **56, 56.501, 131.252**.

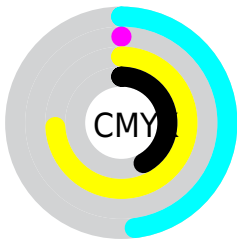
Distribution



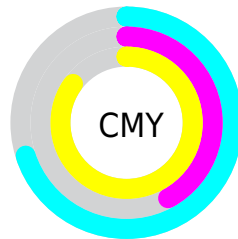
- Red (30%)
- Green (58%)
- Blue (15%)



- Red (15%)
- Yellow (58%)
- Blue (43%)



- Cyan (48%)
- Magenta (0%)
- Yellow (74%)
- Black (42%)





- Cyan (70%)
- Magenta (42%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 63.609, 131.031 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, 63.609, 131.031 by changing the saturation by 10% instead.


 55, 63.609,
131.031


 55, 63.609,
131.031


 100, 63.609,
131.031


 45, 63.609,
131.031


 75, 63.609,
131.031

 35, 63.609,
131.031

 85, 63.609,
131.031

 25, 63.609,
131.031

 95, 63.609,
131.031

 15, 63.609,
131.031

 5, 63.609, 131.031

 0, 63.609, 131.031

■ 55, 63.609,
131.031

■ 55, 63.609,
131.031

■ 55, 69.438,
131.106

■ 56, 56.501,
131.252

■ 54, 73.651,
131.583

■ 56, 48.488,
131.650

■ 54, 75.824,
131.932

■ 57, 39.880,
132.133

■ 58, 30.912,
132.643

■ 59, 21.751,
133.143

■ 60, 12.520,
133.615

■ 61, 3.303, 134.072

■ 62, 5.836, 314.393

■ 63, 14.853,
314.748

Harmonies

Complementary

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



55, 63.609, 131.031



32, 67.441, 316.795

Rectangle

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



55, 63.609, 131.031



55, 63.609, 181.031



55, 63.609, 311.031



55, 63.609, 1.031

Sweetspot

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



55, 63.609, 131.032



74, 24.970, 133.200



49, 44.313, 79.782



39, 16.910, 133.082



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 63.609, 131.032



69, 87.251, 131.347



54, 63.433, 141.501



31, 5.183, 133.814



50, 71.838, 131.838



2, 4.529, 134.176

Inverse Universe

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



32, 67.441, 316.795



37, 92.717, 316.525



37, 61.302, 333.339



29, 5.230, 314.531



24, 76.318, 316.121



1, 4.530, 314.173

Previews

White Background



This preview shows how the CIELCh color 55, 63.609, 131.031 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, 63.609, 131.031 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, 63.609, 131.031

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.609, 131.031.



This preview shows how white text looks on a background with the CIELCh color 55, 63.609, 131.031.

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, 63.609, 131.031

Protanopia

55, 50.993, 95.341

Deuteranopia

54, 46.284, 81.113



Tritanopia
55, 15.861, 221.801

Trichromacy



Original Color
55, 63.609, 131.031

Protanomaly
54, 52.866, 111.350

Deuteranomaly
54, 47.113, 104.911

Tritanomaly
55, 28.227, 154.779

Monochromacy



Original Color
55, 63.609, 131.031

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 24.891, 132.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.609, 131.031 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(77, 148, 39)` looks like.

```
.text, #text, p{  
    color:rgb(77, 148, 39)  
}
```

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(77, 148, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 148, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.609, 131.031 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(77, 148, 39) }
```

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

```
.border{ border-color:rgb(77, 148, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 148, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 148, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 148, 39);  
box-shadow:4px 4px 4px 4px rgb(77, 148,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.609, 131.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 148, 39) }
```

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

```
.background{ background-color: rgb(77, 148,  
39) }
```

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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