

Converting Colors

CIELCh(55, 54.487, 123.804)

Have a look what the booklet for
CIELCh(55, 54.487, 123.804)
contains.

CIELCh(55, 54.461, 123.883)	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, 54.461, 123.883)

Conversions

Conversions Part 1

Format	Color
Hex	66902F
RGB	102, 144, 47
RGB Percent	40%, 56%, 18%
CMY	0.6005, 0.4358, 0.8162
CMYK	0.29, 0.00, 0.67, 0.44
HSL	86°, 51%, 37%
HSV	86°, 67%, 56%
XYZ	15.9297, 22.9298, 6.2625
YIQ	120.3840, 6.1050, -39.0710

Conversions

Conversions Part 2

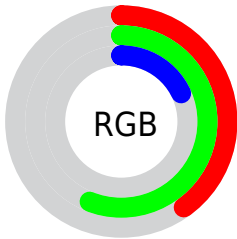
Format	Color
RYB	47, 144, 89
Decimal	6721583
CIELab	55.00, -30.36, 45.21
CIELCh	55, 54.461, 123.883
Yxy	22.9298, 0.3530, 0.5082
Android (android.graphics.Color)	4284911663 (0xFF66902F)
YUV	120.3840, -36.1783, -16.1228
Hunter-Lab	47.8851, -24.4181, 25.7655

Details

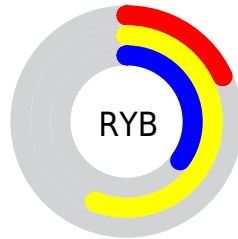
The CIELCh color **55, 54.461, 123.883** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **30, 61.348, 310.451**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 54.431, 123.794**, and **35, 51.035, 125.624** is the 20% darker color. If you saturate the color by 10%, you get **55, 60.537, 123.924**, and if you desaturate by 10%, it is **56, 47.423, 124.097**.

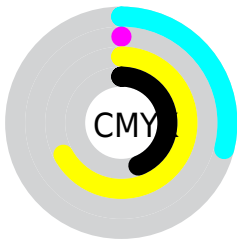
Distribution



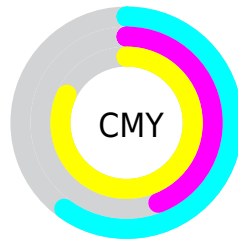
- Red (40%)
- Green (56%)
- Blue (18%)



- Red (18%)
- Yellow (56%)
- Blue (35%)



- Cyan (29%)
- Magenta (0%)
- Yellow (67%)
- Black (44%)





- Cyan (60%)
- Magenta (44%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 54.461, 123.883 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, 54.461, 123.883 by changing the saturation by 10% instead.


 55, 54.461,
123.883

 55, 54.461,
123.883


 100, 54.461,
123.883

 45, 54.461,
123.883


 75, 54.461,
123.883

 35, 54.461,
123.883

 85, 54.461,
123.883

 25, 54.461,
123.883

 95, 54.461,
123.883

 15, 54.461,
123.883

 5, 54.461, 123.883

 0, 54.461, 123.883

■ 55, 54.461,
123.883

■ 55, 54.461,
123.883

■ 55, 60.537,
123.924

■ 56, 47.423,
124.097

■ 54, 65.297,
124.332

■ 56, 39.736,
124.464

■ 54, 68.660,
125.130

■ 57, 31.638,
124.914

■ 54, 69.482,
125.325

■ 57, 23.297,
125.399

■ 58, 14.827,
125.889

■ 59, 6.308, 126.371

■ 60, 2.202, 306.775

■ 61, 10.665,
307.222

■ 62, 19.050,
307.613

Harmonies

Complementary

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



55, 54.461, 123.883



30, 61.348, 310.451

Rectangle

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



55, 54.461, 123.883



55, 54.461, 173.883



55, 54.461, 303.883



55, 54.461, 353.883

Sweetspot

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



55, 54.462, 123.884



73, 21.001, 125.743



43, 38.169, 59.253



39, 14.435, 125.619



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 54.462, 123.884



69, 76.432, 124.085



53, 62.292, 137.244



30, 4.774, 126.287



51, 66.339, 125.231



2, 3.230, 126.696

Inverse Universe

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



30, 61.348, 310.451



33, 88.606, 310.927



36, 62.079, 324.988



28, 4.845, 307.115



19, 78.734, 310.767



0, 3.231, 306.694

Previews

White Background



This preview shows how the CIELCh color 55, 54.461, 123.883 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, 54.461, 123.883 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, 54.461, 123.883

Background



This preview shows how black text looks on a background with the CIELCh color 55, 54.461, 123.883.



This preview shows how white text looks on a background with the CIELCh color 55, 54.461, 123.883.

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](#).

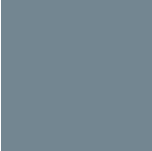
Dichromacy



Original Color
55, 54.461, 123.883

Protanopia
55, 47.396, 95.183

Deuteranopia
55, 44.255, 81.051



Tritanopia
55, 9.266, 242.142

Trichromacy



Original Color
55, 54.461, 123.883

Protanomaly
55, 48.446, 107.019

Deuteranomaly
54, 44.239, 99.251

Tritanomaly
55, 20.143, 142.279

Monochromacy



Original Color
55, 54.461, 123.883

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 21.741, 125.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 54.461, 123.883 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(102, 144, 47)` looks like.

```
.text, #text, p{  
    color:rgb(102, 144, 47)  
}
```

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(102, 144, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 144, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 54.461, 123.883 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(102, 144, 47) }
```

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

```
.border{ border-color:rgb(102, 144, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 144, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 144, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 144, 47);  
box-shadow:4px 4px 4px 4px rgb(102, 144,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 54.461, 123.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 144, 47) }
```

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

```
.background{ background-color: rgb(102,  
144, 47) }
```

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