

Converting Colors

CIELCh(55, 50.097, 123.256)

Have a look what the booklet for
CIELCh(55, 50.097, 123.256)
contains.

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Color

CIELCh(55, 50.436, 123.308)

Conversions

Conversions Part 1

Format	Color
Hex	6A8F36
RGB	106, 143, 54
RGB Percent	42%, 56%, 21%
CMY	0.5848, 0.4397, 0.7887
CMYK	0.26, 0.00, 0.62, 0.44
HSL	85°, 45%, 39%
HSV	85°, 62%, 56%
XYZ	16.3963, 22.9298, 7.0374
YIQ	121.7910, 6.5170, -35.5230

Conversions

Conversions Part 2

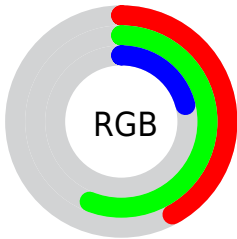
Format	Color
RYB	54, 143, 91
Decimal	6983478
CIELab	55.00, -27.70, 42.15
CIELCh	55, 50.436, 123.308
Yxy	22.9298, 0.3536, 0.4946
Android (android.graphics.Color)	4285173558 (0xFF6A8F36)
YUV	121.7910, -33.4210, -13.8487
Hunter-Lab	47.8851, -22.6789, 24.8060

Details

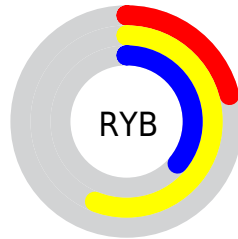
The CIELCh color **55, 50.436, 123.308** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **31, 56.472, 309.704**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 50.625, 123.076**, and **35, 49.708, 123.319** is the 20% darker color. If you saturate the color by 10%, you get **55, 56.974, 123.203**, and if you desaturate by 10%, it is **56, 43.111, 123.615**.

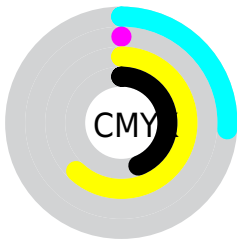
Distribution



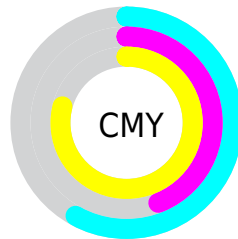
- Red (42%)
- Green (56%)
- Blue (21%)



- Red (21%)
- Yellow (56%)
- Blue (36%)



- Cyan (26%)
- Magenta (0%)
- Yellow (62%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 50.436, 123.308 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, 50.436, 123.308 by changing the saturation by 10% instead.


 55, 50.436,
123.308


 55, 50.436,
123.308


 100, 50.436,
123.308


 45, 50.436,
123.308


 75, 50.436,
123.308

 35, 50.436,
123.308

 85, 50.436,
123.308

 25, 50.436,
123.308

 95, 50.436,
123.308

 15, 50.436,
123.308

 5, 50.436, 123.308

 0, 50.436, 123.308

■ 55, 50.436,
123.308

■ 55, 50.436,
123.308

■ 55, 56.974,
123.203

■ 56, 43.111,
123.615

■ 54, 62.384,
123.403

■ 56, 35.272,
124.035

■ 54, 66.341,
124.020

■ 57, 27.117,
124.513

■ 53, 68.738,
124.645

■ 58, 18.782,
125.010

■ 58, 10.361,
125.504

■ 59, 1.920, 126.006

■ 60, 6.495, 306.404

■ 61, 14.851,
306.824

■ 62, 23.123,
307.206

Harmonies

Complementary

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



55, 50.436, 123.308



31, 56.472, 309.704

Rectangle

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



55, 50.436, 123.308



55, 50.436, 173.308



55, 50.436, 303.308



55, 50.436, 353.308

Sweetspot

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



55, 50.437, 123.309



74, 19.879, 125.154



43, 34.684, 58.140



39, 13.784, 125.025



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, 50.437, 123.309



69, 72.254, 123.244



53, 57.827, 137.364



30, 4.757, 125.656



51, 65.969, 124.561



2, 3.219, 126.074

Inverse Universe

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



31, 56.472, 309.704



35, 83.367, 310.379



37, 57.934, 324.340



28, 4.830, 306.505



18, 79.012, 310.435



0, 3.220, 306.072

Previews

White Background



This preview shows how the CIELCh color 55, 50.436, 123.308 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, 50.436, 123.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

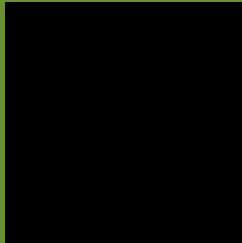
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 50.436, 123.308

Background



This preview shows how black text looks on a background with the CIELCh color 55, 50.436, 123.308.



This preview shows how white text looks on a background with the CIELCh color 55, 50.436, 123.308.

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, 50.436, 123.308

Protanopia
55, 44.212, 95.579

Deuteranopia
55, 41.265, 80.467



Tritanopia
55, 8.136, 244.105

Trichromacy



Original Color
55, 50.436, 123.308

Protanomaly
54, 44.909, 107.025

Deuteranomaly
55, 41.469, 98.622

Tritanomaly
55, 17.607, 140.293

Monochromacy



Original Color
55, 50.436, 123.308

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 19.825, 125.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 50.436, 123.308 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(106, 143, 54)` looks like.

```
.text, #text, p{  
    color:rgb(106, 143, 54)  
}
```

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(106, 143, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 143, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 50.436, 123.308 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(106, 143, 54) }
```

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

```
.border{ border-color:rgb(106, 143, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 143, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 143, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 143, 54);  
box-shadow:4px 4px 4px 4px rgb(106, 143,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 50.436, 123.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 143, 54) }
```

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

```
.background{ background-color: rgb(106,  
143, 54) }
```

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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