

Converting Colors

CIELCh(55, 47.365, 123.182)

Have a look what the booklet for
CIELCh(55, 47.365, 123.182)
contains.

CIELCh(55, 47.393, 123.171)	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, 47.393, 123.171)

Conversions

Conversions Part 1

Format	Color
Hex	6C8E3B
RGB	108, 142, 59
RGB Percent	42%, 56%, 23%
CMY	0.5756, 0.4423, 0.7678
CMYK	0.24, 0.00, 0.58, 0.44
HSL	85°, 41%, 39%
HSV	85°, 58%, 56%
XYZ	16.7104, 22.9298, 7.7104
YIQ	122.3720, 6.3790, -33.0210

Conversions

Conversions Part 2

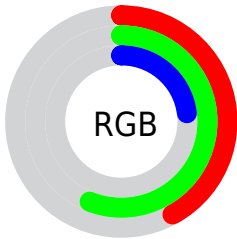
Format	Color
RYB	59, 142, 93
Decimal	7114299
CIELab	55.00, -25.93, 39.67
CIELCh	55, 47.393, 123.171
Yxy	22.9298, 0.3529, 0.4843
Android (android.graphics.Color)	4285304379 (0xFF6C8E3B)
YUV	122.3720, -31.2424, -12.6042
Hunter-Lab	47.8851, -21.5082, 23.9728

Details

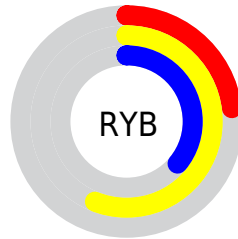
The CIELCh color $55, 47.393, 123.171$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $33, 52.695, 309.292$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 47.612, 123.373$, and $35, 47.679, 123.354$ is the 20% darker color. If you saturate the color by 10%, you get $54, 54.239, 122.974$, and if you desaturate by 10%, it is $56, 39.881, 123.533$.

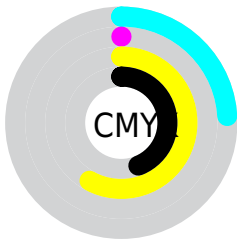
Distribution



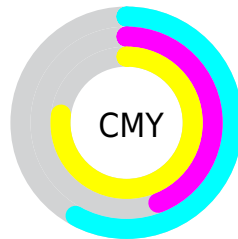
- Red (42%)
- Green (56%)
- Blue (23%)



- Red (23%)
- Yellow (56%)
- Blue (36%)



- Cyan (24%)
- Magenta (0%)
- Yellow (58%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 47.393, 123.171 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, 47.393, 123.171 by changing the saturation by 10% instead.


 55, 47.393,
123.171


 55, 47.393,
123.171


 100, 47.393,
123.171


 45, 47.393,
123.171


 75, 47.393,
123.171

 35, 47.393,
123.171

 85, 47.393,
123.171

 25, 47.393,
123.171

 95, 47.393,
123.171

 15, 47.393,
123.171

 5, 47.393, 123.171

 0, 47.393, 123.171

■ 55, 47.393,
123.171

■ 55, 47.393,
123.171

■ 54, 54.239,
122.974

■ 56, 39.881,
123.533

■ 54, 60.098,
123.038

■ 56, 31.942,
123.983

■ 54, 64.627,
123.477

■ 57, 23.747,
124.474

■ 53, 67.853,
124.273

■ 58, 15.413,
124.975

■ 53, 68.364,
124.393

■ 58, 7.020, 125.469

■ 59, 1.373, 305.875

■ 60, 9.728, 306.354

■ 61, 18.014,
306.762

■ 62, 26.211,
307.135

Harmonies

Complementary

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



55, 47.393, 123.171



33, 52.695, 309.292

Rectangle

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



55, 47.393, 123.171



55, 47.393, 173.171



55, 47.393, 303.171



55, 47.393, 353.171

Sweetspot

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



55, 47.394, 123.172



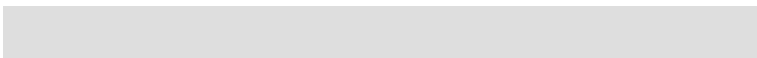
74, 18.811, 124.974



44, 32.023, 58.469



39, 13.170, 124.842



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, 47.394, 123.172



70, 68.525, 122.961



53, 54.484, 137.695



30, 4.752, 125.429



51, 65.838, 124.316



2, 3.216, 125.850

Inverse Universe

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



33, 52.695, 309.292



37, 78.393, 310.021



38, 54.670, 324.230



28, 4.825, 306.285



18, 79.111, 310.319



0, 3.216, 305.848

Previews

White Background



This preview shows how the CIE LCh color 55, 47.393, 123.171 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, 47.393, 123.171 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, 47.393, 123.171

Background



This preview shows how black text looks on a background with the CIELCh color 55, 47.393, 123.171.



This preview shows how white text looks on a background with the CIELCh color 55, 47.393, 123.171.

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, 47.393, 123.171

Protanopia
55, 41.869, 95.403

Deuteranopia
55, 38.890, 79.327



Tritanopia
55, 8.072, 250.880

Trichromacy



Original Color
55, 47.393, 123.171

Protanomaly
55, 42.555, 106.810

Deuteranomaly
54, 38.613, 97.821

Tritanomaly
54, 15.729, 141.185

Monochromacy



Original Color
55, 47.393, 123.171

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 17.939, 124.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 47.393, 123.171 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(108, 142, 59)` looks like.

```
.text, #text, p{  
    color:rgb(108, 142, 59)  
}
```

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(108, 142, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 142, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 47.393, 123.171 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(108, 142, 59) }
```

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

```
.border{ border-color:rgb(108, 142, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 142, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 142, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 142, 59);  
box-shadow:4px 4px 4px 4px rgb(108, 142,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 47.393, 123.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 142, 59) }
```

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

```
.background{ background-color: rgb(108,  
142, 59) }
```

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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