

Converting Colors

CIELCh(55, 46.013, 123.504)

Have a look what the booklet for
CIELCh(55, 46.013, 123.504)
contains.

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Color

CIELCh(55, 45.887, 123.347)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 6D8E3E |
| RGB | 109, 142, 62 |
| RGB Percent | 43%, 56%, 24% |
| CMY | 0.5727, 0.4433, 0.7570 |
| CMYK | 0.23, 0.00, 0.56, 0.44 |
| HSL | 85°, 39%, 40% |
| HSV | 85°, 56%, 56% |
| XYZ | 16.8371, 22.9298, 8.0905 |
| YIQ | 123.0130, 6.0120, -31.8760 |

Conversions

Conversions Part 2

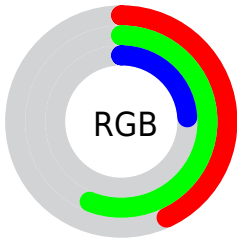
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 62, 142, 95 |
| Decimal | 7179838 |
| CIE Lab | 55.00, -25.22, 38.33 |
| CIE LCh | 55, 45.887, 123.347 |
| Yxy | 22.9298, 0.3518, 0.4791 |
| Android (android.graphics.Color) | 4285369918 (0xFF6D8E3E) |
| YUV | 123.0130, -30.0794, -12.2894 |
| Hunter-Lab | 47.8851, -21.0359, 23.5021 |

Details

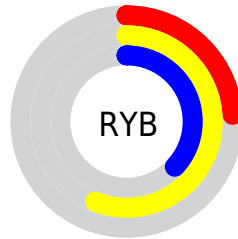
The CIELCh color $55, 45.887, 123.347$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $34, 50.766, 309.250$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 46.071, 123.538$, and $35, 46.187, 123.625$ is the 20% darker color. If you saturate the color by 10%, you get $54, 52.888, 123.111$, and if you desaturate by 10%, it is $56, 38.276, 123.731$.

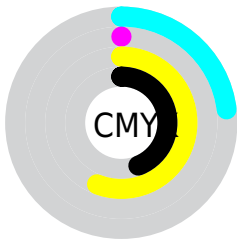
Distribution



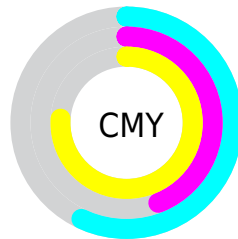
- Red (43%)
- Green (56%)
- Blue (24%)



- Red (24%)
- Yellow (56%)
- Blue (37%)



- Cyan (23%)
- Magenta (0%)
- Yellow (56%)
- Black (44%)





- Cyan (57%)
- Magenta (44%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 45.887, 123.347 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, 45.887, 123.347 by changing the saturation by 10% instead.


 55, 45.887,
123.347


 55, 45.887,
123.347


 100, 45.887,
123.347


 45, 45.887,
123.347


 75, 45.887,
123.347

 35, 45.887,
123.347

 85, 45.887,
123.347

 25, 45.887,
123.347

 95, 45.887,
123.347

 15, 45.887,
123.347

 5, 45.887, 123.347

 0, 45.887, 123.347

■ 55, 45.887,
123.347

■ 55, 45.887,
123.347

■ 54, 52.888,
123.111

■ 56, 38.276,
123.731

■ 54, 58.975,
123.113

■ 56, 30.279,
124.192

■ 54, 63.800,
123.468

■ 57, 22.053,
124.686

■ 53, 67.196,
124.231

■ 58, 13.708,
125.185

■ 53, 68.338,
124.507

■ 58, 5.319, 125.675

■ 59, 3.062, 306.098

■ 60, 11.396,
306.543

■ 61, 19.657,
306.942

■ 62, 27.825,
307.306

Harmonies

Complementary

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



55, 45.887, 123.347



34, 50.766, 309.250

Rectangle

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



55, 45.887, 123.347



55, 45.887, 173.347



55, 45.887, 303.347



55, 45.887, 353.347

Sweetspot

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



55, 45.888, 123.348



73, 17.580, 125.135



44, 30.687, 58.638



38, 11.715, 125.050



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 45.888, 123.348



69, 66.299, 123.081



53, 52.739, 137.867



30, 4.754, 125.537



51, 65.900, 124.433



2, 3.217, 125.956

Inverse Universe

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



34, 50.766, 309.250



38, 75.436, 309.997



39, 52.954, 324.168



28, 4.828, 306.389



18, 79.064, 310.374



0, 3.218, 305.954

Previews

White Background



This preview shows how the CIELCh color 55, 45.887, 123.347 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, 45.887, 123.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

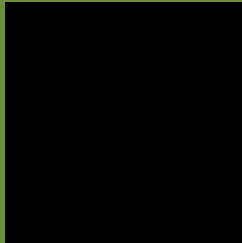
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 45.887, 123.347

Background



This preview shows how black text looks on a background with the CIELCh color 55, 45.887, 123.347.



This preview shows how white text looks on a background with the CIELCh color 55, 45.887, 123.347.

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, 45.887, 123.347

Protanopia
55, 40.420, 95.269

Deuteranopia
55, 37.209, 79.161



Tritanopia
55, 7.854, 252.955

Trichromacy



Original Color
55, 45.887, 123.347

Protanomaly
55, 41.096, 106.409

Deuteranomaly
54, 37.100, 97.731

Tritanomaly
55, 15.022, 141.124

Monochromacy



Original Color
55, 45.887, 123.347

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 17.394, 124.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 45.887, 123.347 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(109, 142, 62)` looks like.

```
.text, #text, p{  
    color:rgb(109, 142, 62)  
}
```

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(109, 142, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 142, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 45.887, 123.347 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(109, 142, 62) }
```

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

```
.border{ border-color:rgb(109, 142, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 142, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 142, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 142, 62);  
box-shadow:4px 4px 4px 4px rgb(109, 142,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 45.887, 123.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 142, 62) }
```

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

```
.background{ background-color: rgb(109,  
142, 62) }
```

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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