

Converting Colors

CIELCh(55, 42.616, 125.020)

Have a look what the booklet for
CIELCh(55, 42.616, 125.020)
contains.

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Color

CIELCh(55, 42.616, 125.020)

Conversions

Conversions Part 1

Format	Color
Hex	6D8E45
RGB	109, 142, 69
RGB Percent	43%, 56%, 27%
CMY	0.5736, 0.4441, 0.7304
CMYK	0.23, 0.00, 0.51, 0.44
HSL	87°, 35%, 41%
HSV	87°, 51%, 56%
XYZ	16.9757, 22.9298, 9.1221
YIQ	123.8110, 3.7650, -29.6990

Conversions

Conversions Part 2

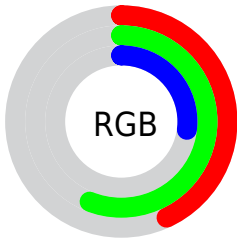
Format	Color
R_{YB}	69, 142, 102
Decimal	7179845
CIE _{Lab}	55.00, -24.46, 34.90
CIE _{LCh}	55, 42.616, 125.020
Yxy	22.9298, 0.3462, 0.4677
Android (android.graphics.Color)	4285369925 (0xFF6D8E45)
YUV	123.8110, -27.0218, -12.9892
Hunter-Lab	47.8851, -20.5191, 22.2249

Details

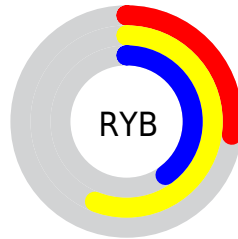
The CIELCh color $55, 42.616, 125.020$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $36, 46.316, 310.141$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.742, 125.101$, and $35, 42.764, 125.054$ is the 20% darker color. If you saturate the color by 10%, you get $54, 50.033, 124.708$, and if you desaturate by 10%, it is $56, 34.712, 125.441$.

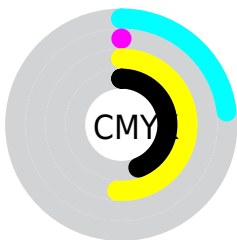
Distribution



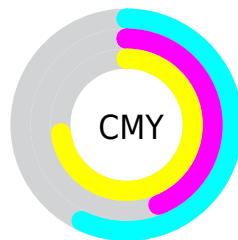
- Red (43%)
- Green (56%)
- Blue (27%)



- Red (27%)
- Yellow (56%)
- Blue (40%)



- Cyan (23%)
- Magenta (0%)
- Yellow (51%)
- Black (44%)





- Cyan (57%)
- Magenta (44%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.616, 125.020 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, 42.616, 125.020 by changing the saturation by 10% instead.


 55, 42.616,
125.020


 55, 42.616,
125.020


 100, 42.616,
125.020


 45, 42.616,
125.020


 75, 42.616,
125.020

 35, 42.616,
125.020

 85, 42.616,
125.020

 25, 42.616,
125.020

 95, 42.616,
125.020

 15, 42.616,
125.020

 5, 42.616, 125.020

 0, 42.616, 125.020

■ 55, 42.616,
125.020

■ 55, 42.616,
125.020

■ 54, 50.033,
124.708

■ 56, 34.712,
125.441

■ 54, 56.694,
124.582

■ 56, 26.509,
125.911

■ 53, 62.267,
124.754

■ 57, 18.141,
126.395

■ 53, 66.421,
125.336

■ 58, 9.699, 126.872

■ 53, 69.146,
126.020

■ 59, 1.249, 127.379

■ 60, 7.164, 307.726

■ 61, 15.508,
308.122

■ 62, 23.757,
308.480

■ 63, 31.896,
308.804

Harmonies

Complementary

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



55, 42.616, 125.020



36, 46.316, 310.141

Rectangle

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



55, 42.616, 125.020



55, 42.616, 175.020



55, 42.616, 305.020



55, 42.616, 355.020

Sweetspot

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



55, 42.617, 125.021



73, 15.645, 126.691



46, 27.651, 64.134



38, 10.636, 126.603



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, 42.617, 125.021



69, 62.064, 124.668



53, 49.235, 139.355



30, 4.793, 126.981



50, 66.752, 125.947



2, 3.242, 127.380

Inverse Universe

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



36, 46.316, 310.141



41, 68.974, 310.779



41, 49.212, 325.528



28, 4.863, 307.789



19, 78.424, 311.152



0, 3.243, 307.378

Previews

White Background



This preview shows how the CIELCh color 55, 42.616, 125.020 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, 42.616, 125.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

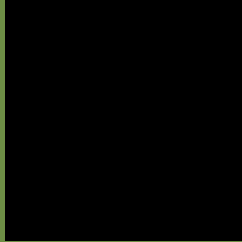
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.616, 125.020

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.616, 125.020.



This preview shows how white text looks on a background with the CIELCh color 55, 42.616, 125.020.

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](#).

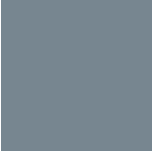
Dichromacy



Original Color
55, 42.616, 125.020

Protanopia
55, 37.344, 95.621

Deuteranopia
55, 34.038, 78.011



Tritanopia
55, 7.887, 245.960

Trichromacy



Original Color
55, 42.616, 125.020

Protanomaly
55, 38.129, 107.543

Deuteranomaly
54, 33.935, 98.239

Tritanomaly
55, 14.514, 146.019

Monochromacy



Original Color
55, 42.616, 125.020

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 15.766, 126.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.616, 125.020 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(109, 142, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 142, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.616, 125.020 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, 69) }
```

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

```
.border{ border-color:rgb(109, 142, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 142, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 142, 69);  
box-shadow:4px 4px 4px 4px rgb(109, 142,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.616, 125.020 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, 69) }
```

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

```
.background{ background-color: rgb(109,  
142, 69) }
```

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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