

Converting Colors

CIELCh(55, 43.415, 120.428)

Have a look what the booklet for
CIELCh(55, 43.415, 120.428)
contains.

CIELCh(55, 43.587, 120.427)	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, 43.587, 120.427)

Conversions

Conversions Part 1

Format	Color
Hex	738D40
RGB	115, 141, 64
RGB Percent	45%, 55%, 25%
CMY	0.5504, 0.4485, 0.7503
CMYK	0.18, 0.00, 0.55, 0.45
HSL	80°, 38%, 40%
HSV	80°, 55%, 55%
XYZ	17.4101, 22.9298, 8.3084
YIQ	124.4480, 9.2210, -29.4590

Conversions

Conversions Part 2

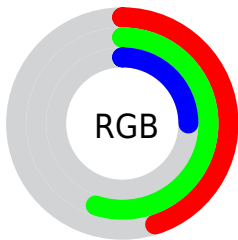
Format	Color
RYB	64, 141, 90
Decimal	7572800
CIELab	55.00, -22.07, 37.58
CIELCh	55, 43.587, 120.427
Yxy	22.9298, 0.3579, 0.4713
Android (android.graphics.Color)	4285762880 (0xFF738D40)
YUV	124.4480, -29.8009, -8.2859
Hunter-Lab	47.8851, -18.8998, 23.2324

Details

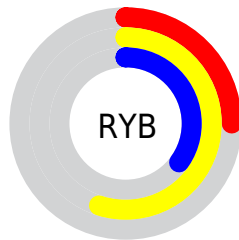
The CIELCh color $55, 43.587, 120.427$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $33, 48.765, 306.965$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 43.732, 120.284$, and $35, 43.832, 120.691$ is the 20% darker color. If you saturate the color by 10%, you get $55, 50.486, 120.129$, and if you desaturate by 10%, it is $56, 36.118, 120.862$.

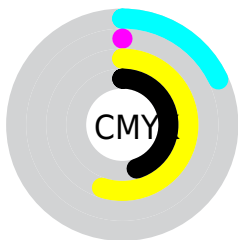
Distribution



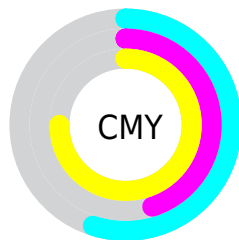
- Red (45%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (35%)



- Cyan (18%)
- Magenta (0%)
- Yellow (55%)
- Black (45%)





- Cyan (55%)
- Magenta (45%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 43.587, 120.427 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, 43.587, 120.427 by changing the saturation by 10% instead.


 55, 43.587,
120.427

 55, 43.587,
120.427


 100, 43.587,
120.427


 45, 43.587,
120.427


 75, 43.587,
120.427

 35, 43.587,
120.427

 85, 43.587,
120.427

 25, 43.587,
120.427

 95, 43.587,
120.427

 15, 43.587,
120.427

 5, 43.587, 120.427

 0, 43.587, 120.427

■ 55, 43.587,
120.427

■ 55, 43.587,
120.427

■ 55, 50.486,
120.129

■ 56, 36.118,
120.862

■ 54, 56.525,
120.048

■ 56, 28.288,
121.367

■ 54, 61.359,
120.289

■ 57, 20.244,
121.904

■ 53, 64.728,
120.940

■ 57, 12.085,
122.447

■ 53, 66.268,
121.319

■ 58, 3.879, 122.984

■ 59, 4.326, 303.466

■ 60, 12.496,
303.951

■ 61, 20.606,
304.398

■ 62, 28.638,
304.812

Harmonies

Complementary

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



55, 43.587, 120.427



33, 48.765, 306.965

Rectangle

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



55, 43.587, 120.427



55, 43.587, 170.427



55, 43.587, 300.427



55, 43.587, 350.427

Sweetspot

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



55, 43.588, 120.429



73, 16.310, 122.360



43, 29.774, 52.190



38, 10.970, 122.263



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, 43.588, 120.429



70, 63.524, 120.081



53, 50.028, 136.498



30, 4.689, 122.744



51, 64.354, 121.263



2, 3.176, 123.214

Inverse Universe

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



33, 48.765, 306.965



38, 73.473, 307.951



38, 50.745, 322.055



28, 4.770, 303.703



17, 80.224, 309.106



0, 3.177, 303.212

Previews

White Background



This preview shows how the CIE LCh color 55, 43.587, 120.427 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, 43.587, 120.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

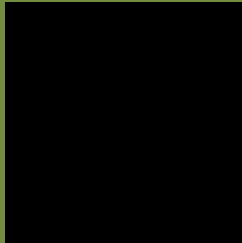
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 43.587, 120.427

Background



This preview shows how black text looks on a background with the CIELCh color 55, 43.587, 120.427.



This preview shows how white text looks on a background with the CIELCh color 55, 43.587, 120.427.

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, 43.587, 120.427

Protanopia
55, 39.811, 95.920

Deuteranopia
55, 36.723, 78.886



Tritanopia
55, 6.794, 268.119

Trichromacy



Original Color
55, 43.587, 120.427

Protanomaly
55, 40.106, 105.254

Deuteranomaly
55, 36.748, 96.269

Tritanomaly
55, 13.331, 134.022

Monochromacy



Original Color
55, 43.587, 120.427

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 16.497, 121.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 43.587, 120.427 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(115, 141, 64)` looks like.

```
.text, #text, p{  
    color:rgb(115, 141, 64)  
}
```

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(115, 141, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 141, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 43.587, 120.427 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(115, 141, 64) }
```

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

```
.border{ border-color:rgb(115, 141, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 141, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 141, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 141, 64);  
box-shadow:4px 4px 4px 4px rgb(115, 141,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 43.587, 120.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 141, 64) }
```

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

```
.background{ background-color: rgb(115,  
141, 64) }
```

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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