

Converting Colors

CIELCh(55, 31.408, 140.683)

Have a look what the booklet for
CIELCh(55, 31.408, 140.683)
contains.

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Color

CIELCh(55, 31.446, 140.667)

Conversions

Conversions Part 1

Format	Color
Hex	638E60
RGB	99, 142, 96
RGB Percent	39%, 56%, 38%
CMY	0.6109, 0.4422, 0.6227
CMYK	0.30, 0.00, 0.32, 0.44
HSL	116°, 19%, 47%
HSV	116°, 32%, 56%
XYZ	16.9998, 22.9298, 14.6494
YIQ	123.8990, -10.8620, -23.4220

Conversions

Conversions Part 2

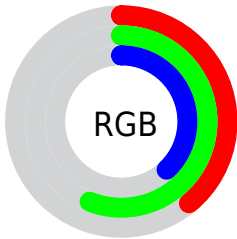
Format	Color
R_{YB}	96, 142, 139
Decimal	6524512
CIE _{Lab}	55.00, -24.32, 19.93
CIE _{LCh}	55, 31.446, 140.667
Yxy	22.9298, 0.3115, 0.4201
Android (android.graphics.Color)	4284714592 (0xFF638E60)
YUV	123.8990, -13.7542, -21.8364
Hunter-Lab	47.8851, -20.4293, 15.3811

Details

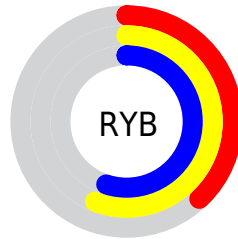
The CIELCh color **55, 31.446, 140.667** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **47, 31.563, 324.245**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 31.434, 140.751**, and **35, 31.219, 140.631** is the 20% darker color. If you saturate the color by 10%, you get **54, 40.908, 139.848**, and if you desaturate by 10%, it is **56, 21.747, 141.396**.

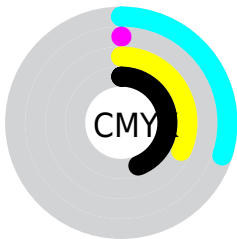
Distribution



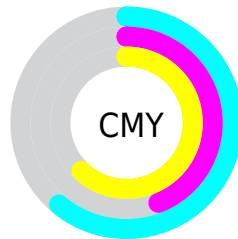
- Red (39%)
- Green (56%)
- Blue (38%)



- Red (38%)
- Yellow (56%)
- Blue (55%)



- Cyan (30%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)





- Cyan (61%)
- Magenta (44%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.446, 140.667 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, 31.446, 140.667 by changing the saturation by 10% instead.


 55, 31.446,
140.667


 55, 31.446,
140.667


 100, 31.446,
140.667


 45, 31.446,
140.667


 75, 31.446,
140.667

 35, 31.446,
140.667

 85, 31.446,
140.667

 25, 31.446,
140.667

 95, 31.446,
140.667

 15, 31.446,
140.667

 5, 31.446, 140.667

 0, 31.446, 140.667

■ 55, 31.446,
140.667

■ 55, 31.446,
140.667

■ 54, 40.908,
139.848

■ 56, 21.747,
141.396

■ 53, 49.912,
138.953

■ 57, 11.977,
142.035

■ 53, 58.182,
138.024

■ 59, 2.260, 142.646

■ 52, 65.378,
137.139

■ 60, 7.313, 323.002

■ 52, 71.117,
136.411

■ 62, 16.680,
323.412

■ 51, 75.054,
135.965

■ 64, 25.803,
323.753

■ 51, 77.164,
135.645

■ 65, 34.660,
324.041

■ 67, 43.241,
324.286

■ 69, 51.544,
324.495

Harmonies

Complementary

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



55, 31.446, 140.667



47, 31.563, 324.245

Rectangle

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



55, 31.446, 140.667



55, 31.446, 190.667



55, 31.446, 320.667



55, 31.446, 10.667

Sweetspot

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



55, 31.447, 140.667



74, 12.062, 142.162



57, 24.160, 104.134



39, 8.300, 142.087



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, 31.447, 140.667



70, 47.020, 140.061



55, 23.312, 157.410



30, 5.482, 142.222



49, 74.328, 135.622



2, 3.689, 142.681

Inverse Universe

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



47, 31.563, 324.245



57, 47.178, 324.586



46, 23.944, 342.939



28, 5.496, 323.108



30, 72.364, 325.742



1, 3.690, 322.676

Previews

White Background



This preview shows how the CIELCh color 55, 31.446, 140.667 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 CIE LCh color 55, 31.446, 140.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

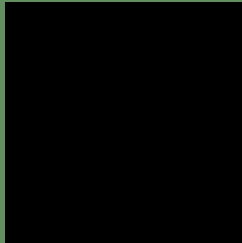
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 31.446, 140.667

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.446, 140.667.



This preview shows how white text looks on a background with the CIELCh color 55, 31.446, 140.667.

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, 31.446, 140.667

Protanopia
55, 23.259, 95.291

Deuteranopia
55, 19.487, 69.228



Tritanopia
55, 11.678, 231.549

Trichromacy



Original Color
55, 31.446, 140.667

Protanomaly
55, 24.070, 116.535

Deuteranomaly
55, 18.799, 105.225

Tritanomaly
55, 13.620, 175.681

Monochromacy



Original Color
55, 31.446, 140.667

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 11.792, 142.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.446, 140.667 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(99, 142, 96)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 96)  
}
```

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(99, 142, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.446, 140.667 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(99, 142, 96) }
```

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

```
.border{ border-color:rgb(99, 142, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 96);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.446, 140.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 96) }
```

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

```
.background{ background-color: rgb(99, 142,  
96) }
```

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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