

Converting Colors

CIELCh(55, 31.216, 120.978)

Have a look what the booklet for
CIELCh(55, 31.216, 120.978)
contains.

CIELCh(55, 31.249, 120.963)	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, 31.249, 120.963)

Conversions

Conversions Part 1

Format	Color
Hex	788A54
RGB	120, 138, 84
RGB Percent	47%, 54%, 33%
CMY	0.5282, 0.4576, 0.6694
CMYK	0.13, 0.00, 0.39, 0.46
HSL	80°, 24%, 44%
HSV	80°, 39%, 54%
XYZ	18.5366, 22.9298, 11.8983
YIQ	126.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

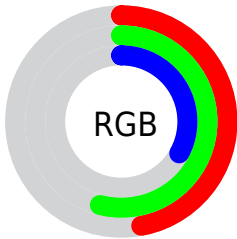
Format	Color
R_{YB}	84, 138, 102
Decimal	7899732
CIE _{Lab}	55.00, -16.08, 26.80
CIE _{LCh}	55, 31.249, 120.963
Y _{xy}	22.9298, 0.3474, 0.4297
Android (android.graphics.Color)	4286089812 (0xFF788A54)
Y _{UV}	126.4620, -20.9338, -5.6672
Hunter-Lab	47.8851, -14.7005, 18.7874

Details

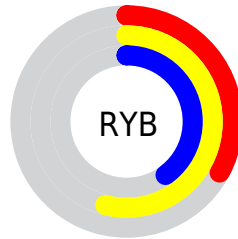
The CIELCh color $55, 31.249, 120.963$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $40, 33.685, 305.568$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 31.147, 120.714$, and $35, 31.476, 121.037$ is the 20% darker color. If you saturate the color by 10%, you get $54, 38.836, 120.482$, and if you desaturate by 10%, it is $56, 23.399, 121.495$.

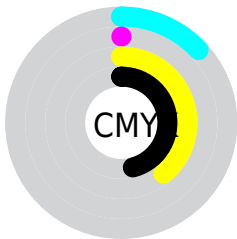
Distribution



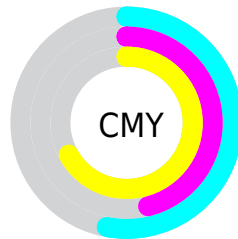
- Red (47%)
- Green (54%)
- Blue (33%)



- Red (33%)
- Yellow (54%)
- Blue (40%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (46%)





- Cyan (53%)
- Magenta (46%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.249, 120.963 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, 31.249, 120.963 by changing the saturation by 10% instead.


 55, 31.249,
120.963


 55, 31.249,
120.963


 100, 31.249,
120.963


 45, 31.249,
120.963


 75, 31.249,
120.963

 35, 31.249,
120.963

 85, 31.249,
120.963

 25, 31.249,
120.963

 95, 31.249,
120.963

 15, 31.249,
120.963

 5, 31.249, 120.963

 0, 31.249, 120.963

■ 55, 31.249,
120.963

■ 55, 31.249,
120.963

■ 54, 38.836,
120.482

■ 56, 23.399,
121.495

■ 54, 45.986,
120.095

■ 56, 15.396,
122.040

■ 54, 52.462,
119.873

■ 57, 7.321, 122.581

■ 53, 57.951,
119.910

■ 58, 0.772, 303.035

■ 58, 8.845, 303.583

■ 53, 62.116,
120.312

■ 59, 16.869,
304.048

■ 52, 65.091,
121.030

■ 60, 24.825,
304.480

■ 52, 65.371,
121.092

■ 61, 32.696,
304.878

■ 62, 40.473,
305.245

Harmonies

Complementary

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



55, 31.249, 120.963



40, 33.685, 305.568

Rectangle

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



55, 31.249, 120.963



55, 31.249, 170.963



55, 31.249, 300.963



55, 31.249, 350.963

Sweetspot

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



55, 31.250, 120.965



73, 12.088, 122.408



46, 19.885, 51.200



38, 8.081, 122.348



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, 31.250, 120.965



70, 46.414, 120.528



53, 35.643, 137.172



29, 4.546, 122.576



50, 63.373, 121.032



1, 2.116, 123.046

Inverse Universe

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



40, 33.685, 305.568



47, 51.098, 306.283



43, 36.168, 320.982



27, 4.624, 303.536



17, 79.173, 309.055



0, 2.116, 303.045

Previews

White Background



This preview shows how the CIELCh color 55, 31.249, 120.963 looks on a white background.

Color Contrast Check

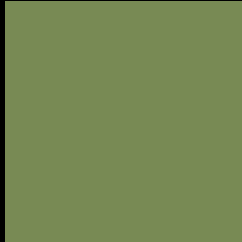
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.249, 120.963 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, 31.249, 120.963

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.249, 120.963.



This preview shows how white text looks on a background with the CIELCh color 55, 31.249, 120.963.

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](#).

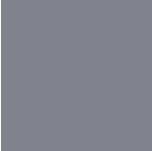
Dichromacy



Original Color
55, 31.249, 120.963

Protanopia
55, 28.247, 95.714

Deuteranopia
55, 26.828, 74.794



Tritanopia
55, 6.406, 280.707

Trichromacy



Original Color
55, 31.249, 120.963

Protanomaly
55, 28.682, 105.756

Deuteranomaly
55, 25.792, 93.008

Tritanomaly
55, 8.306, 135.105

Monochromacy



Original Color
55, 31.249, 120.963

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 11.740, 120.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.249, 120.963 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(120, 138, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 138, 84)  
}
```

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(120, 138, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 138, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.249, 120.963 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(120, 138, 84) }
```

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

```
.border{ border-color:rgb(120, 138, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 138, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 138, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 138, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 138,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.249, 120.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 138, 84) }
```

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

```
.background{ background-color: rgb(120,  
138, 84) }
```

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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