

Converting Colors

CIELCh(55, 51.824, 113.907)

Have a look what the booklet for
CIELCh(55, 51.824, 113.907)
contains.

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Color

CIELCh(55, 51.772, 114.215)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 788C2B |
| RGB | 120, 140, 43 |
| RGB Percent | 47%, 55%, 17% |
| CMY | 0.5293, 0.4509, 0.8313 |
| CMYK | 0.14, 0.00, 0.69, 0.45 |
| HSL | 72°, 53%, 36% |
| HSV | 72°, 69%, 55% |
| XYZ | 17.5649, 22.9298, 5.7873 |
| YIQ | 122.9620, 19.2170, -34.4070 |

Conversions

Conversions Part 2

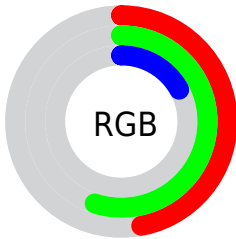
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 43, 140, 63 |
| Decimal | 7900203 |
| CIE _{Lab} | 55.00, -21.23, 47.22 |
| CIE _{LCh} | 55, 51.772, 114.215 |
| Yxy | 22.9298, 0.3795, 0.4954 |
| Android (android.graphics.Color) | 4286090283 (0xFF788C2B) |
| YUV | 122.9620, -39.4213, -2.5977 |
| Hunter-Lab | 47.8851, -18.3227, 26.3540 |

Details

The CIELCh color **55, 51.772, 114.215** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **26, 62.176, 305.036**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 52.152, 114.152**, and **35, 46.824, 116.194** is the 20% darker color. If you saturate the color by 10%, you get **55, 57.008, 114.096**, and if you desaturate by 10%, it is **55, 45.500, 114.568**.

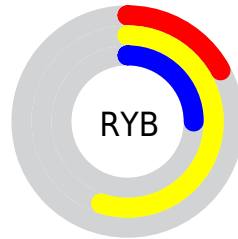
Distribution



Red (47%)

Green (55%)

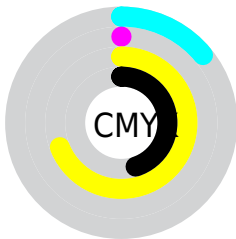
Blue (17%)



Red (17%)

Yellow (55%)

Blue (25%)

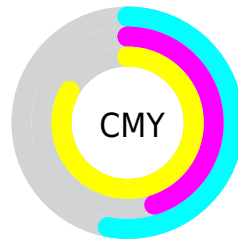


Cyan (14%)

Magenta (0%)

Yellow (69%)

Black (45%)



Cyan (53%)


Magenta (45%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 51.772, 114.215 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, 51.772, 114.215 by changing the saturation by 10% instead.


 55, 51.772,
114.215


 55, 51.772,
114.215


 100, 51.772,
114.215


 45, 51.772,
114.215


 75, 51.772,
114.215

 35, 51.772,
114.215

 85, 51.772,
114.215

 25, 51.772,
114.215

 95, 51.772,
114.215

 15, 51.772,
114.215

 5, 51.772, 114.215

 0, 51.772, 114.215

■ 55, 51.772,
114.215

■ 55, 51.772,
114.215

■ 55, 57.008,
114.096

■ 55, 45.500,
114.568

■ 54, 60.863,
114.293

■ 56, 38.516,
115.072

■ 54, 63.501,
114.765

■ 56, 31.071,
115.667

■ 54, 63.691,
114.797

■ 57, 23.338,
116.311

■ 57, 15.435,
116.974

■ 58, 7.441, 117.635

■ 58, 0.589, 298.261

■ 59, 8.620, 298.899

■ 60, 16.624,
299.491

Harmonies

Complementary

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



55, 51.772, 114.215



26, 62.176, 305.036

Rectangle

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



55, 51.772, 114.215



55, 51.772, 164.215



55, 51.772, 294.215



55, 51.772, 344.215

Sweetspot

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



55, 51.772, 114.217



72, 20.725, 116.830



36, 41.875, 41.108



38, 14.124, 116.669



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, 51.772, 114.217



69, 71.640, 114.160



52, 58.825, 132.427



29, 4.465, 117.644



51, 61.210, 114.741



1, 2.081, 118.232

Inverse Universe

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



26, 62.176, 305.036



28, 90.744, 306.598



32, 61.411, 318.228



27, 4.553, 298.853



15, 80.812, 307.508



0, 2.081, 298.232

Previews

White Background



This preview shows how the CIELCh color 55, 51.772, 114.215 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, 51.772, 114.215 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, 51.772, 114.215

Background



This preview shows how black text looks on a background with the CIELCh color 55, 51.772, 114.215.



This preview shows how white text looks on a background with the CIELCh color 55, 51.772, 114.215.

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, 51.772, 114.215

Protanopia
55, 48.979, 95.860

Deuteranopia
55, 46.686, 81.328



Tritanopia
55, 5.756, 287.073

Trichromacy



Original Color
55, 51.772, 114.215

Protanomaly
55, 49.231, 103.070

Deuteranomaly
55, 46.298, 93.905

Tritanomaly
55, 16.865, 119.638

Monochromacy



Original Color
55, 51.772, 114.215

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 20.235, 116.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 51.772, 114.215 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, 140, 43)` looks like.

```
.text, #text, p{  
    color:rgb(120, 140, 43)  
}
```

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, 140, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 140, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 51.772, 114.215 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, 140, 43) }
```

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

```
.border{ border-color:rgb(120, 140, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 140, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 140, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 140, 43);  
box-shadow:4px 4px 4px 4px rgb(120, 140,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 51.772, 114.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 140, 43) }
```

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

```
.background{ background-color: rgb(120,  
140, 43) }
```

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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