

Converting Colors

CIELCh(55, 51.785, 112.137)

Have a look what the booklet for
CIELCh(55, 51.785, 112.137)
contains.

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Color

CIELCh(55, 51.841, 112.151)

Conversions

Conversions Part 1

Format	Color
Hex	7B8B29
RGB	123, 139, 41
RGB Percent	48%, 55%, 16%
CMY	0.5166, 0.4539, 0.8382
CMYK	0.11, 0.00, 0.70, 0.45
HSL	70°, 54%, 35%
HSV	70°, 70%, 55%
XYZ	17.8792, 22.9298, 5.6049
YIQ	123.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

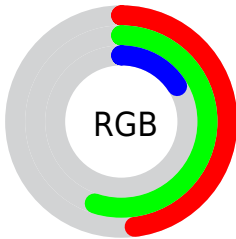
Format	Color
R_{YB}	41, 139, 57
Decimal	8096553
CIE _{Lab}	55.00, -19.55, 48.01
CIE _{LCh}	55, 51.841, 112.151
Yxy	22.9298, 0.3852, 0.4940
Android (android.graphics.Color)	4286286633 (0xFF7B8B29)
YUV	123.0440, -40.4477, -0.0386
Hunter-Lab	47.8851, -17.1513, 26.5797

Details

The CIELCh color **55, 51.841, 112.151** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **25, 63.041, 304.280**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 51.438, 111.952**, and **35, 46.018, 114.041** is the 20% darker color. If you saturate the color by 10%, you get **55, 56.850, 111.980**, and if you desaturate by 10%, it is **55, 45.754, 112.549**.

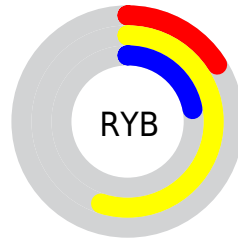
Distribution



Red (48%)

Green (55%)

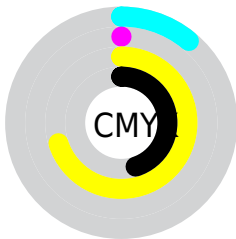
Blue (16%)



Red (16%)

Yellow (55%)

Blue (22%)

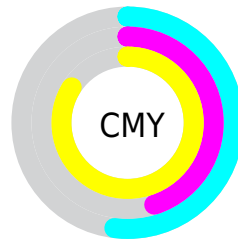


Cyan (11%)

Magenta (0%)

Yellow (70%)

Black (45%)



Cyan (52%)


Magenta (45%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 51.841, 112.151 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, 51.841, 112.151 by changing the saturation by 10% instead.


 55, 51.841,
112.151


 55, 51.841,
112.151


 100, 51.841,
112.151


 45, 51.841,
112.151


 75, 51.841,
112.151

 35, 51.841,
112.151

 85, 51.841,
112.151

 25, 51.841,
112.151

 95, 51.841,
112.151

 15, 51.841,
112.151

 5, 51.841, 112.151

 0, 51.841, 112.151

■ 55, 51.841,
112.151

■ 55, 51.841,
112.151

■ 55, 56.850,
111.980

■ 55, 45.754,
112.549

■ 55, 60.443,
112.105

■ 56, 38.919,
113.095

■ 54, 62.854,
112.440

■ 56, 31.596,
113.734

■ 56, 23.969,
114.424

■ 57, 16.158,
115.135

■ 57, 8.246, 115.847

■ 58, 0.288, 116.540

■ 59, 7.678, 297.222

■ 59, 15.626,
297.869

Harmonies

Complementary

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



55, 51.841, 112.151



25, 63.041, 304.280

Rectangle

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



55, 51.841, 112.151



55, 51.841, 162.151



55, 51.841, 292.151



55, 51.841, 342.151

Sweetspot

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



55, 51.841, 112.153



72, 20.628, 115.058



35, 43.710, 37.882



38, 14.057, 114.885



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, 51.841, 112.153



70, 71.551, 112.007



52, 58.461, 131.045



29, 4.446, 115.934



52, 60.653, 112.399



1, 2.072, 116.571

Inverse Universe

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



25, 63.041, 304.280



27, 92.052, 306.079



31, 61.914, 316.725



27, 4.536, 297.245



15, 81.246, 307.143



0, 2.073, 296.571

Previews

White Background



This preview shows how the CIELCh color 55, 51.841, 112.151 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, 51.841, 112.151 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, 51.841, 112.151

Background



This preview shows how black text looks on a background with the CIELCh color 55, 51.841, 112.151.



This preview shows how white text looks on a background with the CIELCh color 55, 51.841, 112.151.

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, 51.841, 112.151

Protanopia
55, 49.781, 95.886

Deuteranopia
55, 47.117, 81.476



Tritanopia
55, 5.887, 302.199

Trichromacy



Original Color
55, 51.841, 112.151

Protanomaly
55, 50.051, 102.455

Deuteranomaly
55, 46.834, 93.374

Tritanomaly
54, 16.610, 113.986

Monochromacy



Original Color
55, 51.841, 112.151

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 20.728, 114.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 51.841, 112.151 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(123, 139, 41)` looks like.

```
.text, #text, p{  
    color:rgb(123, 139, 41)  
}
```

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(123, 139, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 139, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 51.841, 112.151 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(123, 139, 41) }
```

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

```
.border{ border-color:rgb(123, 139, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 139, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 139, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 139, 41);  
box-shadow:4px 4px 4px 4px rgb(123, 139,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 51.841, 112.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 139, 41) }
```

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

```
.background{ background-color: rgb(123,  
139, 41) }
```

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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