

Converting Colors

CIELCh(55, 54.087, 104.238)

Have a look what the booklet for
CIELCh(55, 54.087, 104.238)
contains.

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Color

CIELCh(55, 54.069, 104.113)

Conversions

Conversions Part 1

Format	Color
Hex	87881E
RGB	135, 136, 30
RGB Percent	53%, 53%, 12%
CMY	0.4697, 0.4659, 0.8814
CMYK	0.01, 0.00, 0.78, 0.47
HSL	61°, 64%, 33%
HSV	61°, 78%, 53%
XYZ	19.0971, 22.9298, 4.6637
YIQ	123.6170, 33.4300, -33.1780

Conversions

Conversions Part 2

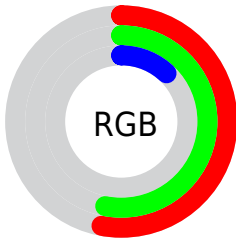
Format	Color
R_{YB}	30, 136, 31
Decimal	8882206
CIE _{Lab}	55.00, -13.18, 52.44
CIE _{LCh}	55, 54.069, 104.113
Yxy	22.9298, 0.4090, 0.4911
Android (android.graphics.Color)	4287072286 (0xFF87881E)
YUV	123.6170, -46.1532, 9.9829
Hunter-Lab	47.8851, -12.6114, 27.7451

Details

The CIELCh color **55, 54.069, 104.113** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **20, 69.157, 303.050**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 53.915, 104.095**, and **35, 44.364, 106.136** is the 20% darker color. If you saturate the color by 10%, you get **55, 57.849, 103.709**, and if you desaturate by 10%, it is **55, 48.956, 104.693**.

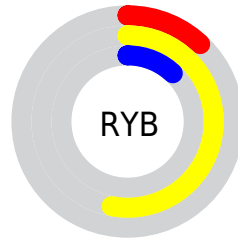
Distribution



Red (53%)

Green (53%)

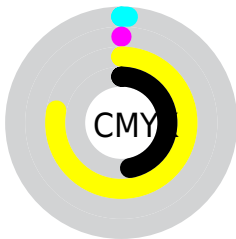
Blue (12%)



Red (12%)

Yellow (53%)

Blue (12%)

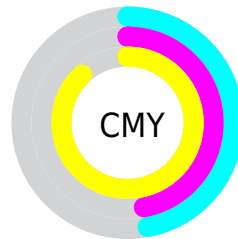


Cyan (1%)

Magenta (0%)

Yellow (78%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 54.069, 104.113 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, 54.069, 104.113 by changing the saturation by 10% instead.


 55, 54.069,
104.113


 55, 54.069,
104.113


 100, 54.069,
104.113


 45, 54.069,
104.113


 75, 54.069,
104.113

 35, 54.069,
104.113

 85, 54.069,
104.113

 25, 54.069,
104.113

 95, 54.069,
104.113

 15, 54.069,
104.113

 5, 54.069, 104.113

 0, 54.069, 104.113

■ 55, 54.069,
104.113

■ 55, 54.069,
104.113

■ 55, 57.849,
103.709

■ 55, 48.956,
104.693

■ 55, 60.297,
103.468

■ 55, 42.854,
105.405

■ 55, 60.813,
103.418

■ 55, 36.079,
106.212

■ 56, 28.870,
107.083

■ 56, 21.394,
107.989

■ 56, 13.760,
108.911

■ 56, 6.041, 109.829

■ 57, 1.719, 290.772

Harmonies

Complementary

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



55, 54.069, 104.113



20, 69.157, 303.050

Rectangle

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



55, 54.069, 104.113



55, 54.069, 154.113



55, 54.069, 284.113



55, 54.069, 334.113

Sweetspot

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



55, 54.069, 104.115



71, 21.869, 108.385



30, 52.100, 32.248



37, 15.230, 108.091



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 54.069, 104.115



70, 71.917, 103.536



51, 59.305, 126.358



29, 4.411, 109.704



54, 59.642, 103.417



1, 2.057, 110.545

Inverse Universe

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



20, 69.157, 303.050



22, 97.698, 305.664



25, 66.451, 312.542



26, 4.504, 291.445



14, 82.290, 306.328



0, 2.057, 290.546

Previews

White Background



This preview shows how the CIELCh color 55, 54.069, 104.113 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, 54.069, 104.113 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, 54.069, 104.113

Background



This preview shows how black text looks on a background with the CIELCh color 55, 54.069, 104.113.



This preview shows how white text looks on a background with the CIELCh color 55, 54.069, 104.113.

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, 54.069, 104.113

Protanopia

55, 53.484, 95.459

Deuteranopia

55, 51.750, 82.326



Tritanopia
55, 8.860, 340.037

Trichromacy



Original Color
55, 54.069, 104.113

Protanomaly
55, 53.823, 99.072

Deuteranomaly
55, 51.521, 90.509

Tritanomaly
55, 18.896, 93.220

Monochromacy



Original Color
55, 54.069, 104.113

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 21.691, 107.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 54.069, 104.113 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(135, 136, 30)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 30)  
}
```

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(135, 136, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 54.069, 104.113 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(135, 136, 30) }
```

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

```
.border{ border-color:rgb(135, 136, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 136, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 30);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 54.069, 104.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 30) }
```

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

```
.background{ background-color: rgb(135,  
136, 30) }
```

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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