

Converting Colors

CIELCh(47, 55.105, 145.337)

Have a look what the booklet for
CIELCh(47, 55.105, 145.337)
contains.

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Color

CIELCh(47, 55.518, 145.205)

Conversions

Conversions Part 1

Format	Color
Hex	148137
RGB	20, 129, 55
RGB Percent	8%, 51%, 22%
CMY	0.9206, 0.4957, 0.7857
CMYK	0.84, 0.00, 0.58, 0.50
HSL	139°, 73%, 29%
HSV	139°, 84%, 50%
XYZ	8.7725, 16.0195, 6.1990
YIQ	87.9730, -41.2100, -46.1220

Conversions

Conversions Part 2

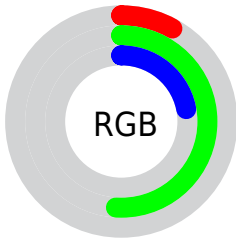
Format	Color
R_{YB}	20, 103, 129
Decimal	1343799
CIE _{Lab}	47.00, -45.59, 31.68
CIE _{LCh}	47, 55.518, 145.205
Yxy	16.0195, 0.2831, 0.5169
Android (android.graphics.Color)	4279533879 (0xFF148137)
YUV	87.9730, -16.2557, -59.6123
Hunter-Lab	40.0243, -30.9189, 18.8341

Details

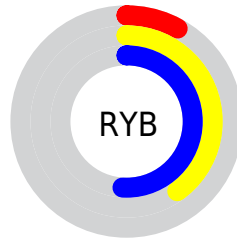
The CIELCh color **47, 55.518, 145.205** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **29, 52.771, 342.819**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 55.557, 145.268**, and **28, 48.821, 137.640** is the 20% darker color. If you saturate the color by 10%, you get **47, 59.818, 143.340**, and if you desaturate by 10%, it is **47, 50.500, 146.949**.

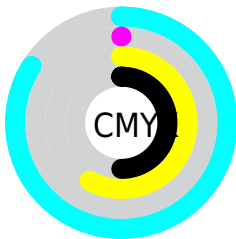
Distribution



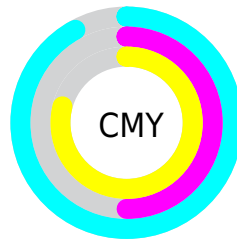
- Red (8%)
- Green (51%)
- Blue (22%)



- Red (8%)
- Yellow (40%)
- Blue (51%)



- Cyan (84%)
- Magenta (0%)
- Yellow (58%)
- Black (50%)





- Cyan (92%)
- Magenta (50%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.518, 145.205 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 47, 55.518, 145.205 by changing the saturation by 10% instead.


 47, 55.518,
145.205


 47, 55.518,
145.205


 100, 55.518,
145.205


 37, 55.518,
145.205

 67, 55.518,
145.205


 27, 55.518,
145.205

 77, 55.518,
145.205

 17, 55.518,
145.205

 87, 55.518,
145.205

 7, 55.518, 145.205

 97, 55.518,
145.205

 0, 55.518, 145.205

 47, 55.518,

 47, 55.518,

145.205

■ 47, 59.818,
143.340

■ 47, 62.081,
142.360

145.205

■ 47, 50.500,
146.949

■ 48, 44.818,
148.527

■ 48, 38.570,
149.928

■ 49, 31.876,
151.160

■ 50, 24.864,
152.238

■ 51, 17.657,
153.182

■ 52, 10.362,
154.015

■ 53, 3.072, 154.795

Harmonies

Complementary

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



47, 55.518, 145.205



29, 52.771, 342.819

Rectangle

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



47, 55.518, 145.205



47, 55.518, 195.205



47, 55.518, 325.205



47, 55.518, 15.205

Sweetspot

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



47, 55.518, 145.205



65, 22.679, 153.062



50, 56.723, 119.314



33, 15.392, 152.794



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 55.518, 145.205



60, 76.461, 141.838



48, 33.784, 175.577



26, 4.061, 154.413



46, 61.670, 142.379



0, 0.000, 0.000

Inverse Universe

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



29, 52.771, 342.819



37, 66.984, 346.019



28, 48.763, 21.695



25, 4.083, 335.564



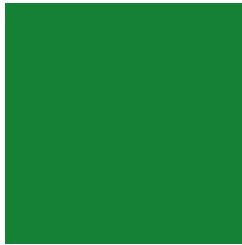
27, 54.953, 345.449



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 55.518, 145.205 looks on a white 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

Black Background



This preview shows how the CIE LCh color 47, 55.518, 145.205 looks on a black 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

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

CIELCh 47, 55.518, 145.205

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.518, 145.205.



This preview shows how white text looks on a background with the CIELCh color 47, 55.518, 145.205.

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

47, 55.603, 145.291

Protanopia

47, 35.775, 95.970

Deuteranopia

47, 30.016, 79.003



Tritanopia
47, 21.593, 213.402

Trichromacy



Original Color
47, 55.603, 145.291

Protanomaly
46, 39.852, 125.530

Deuteranomaly
45, 33.012, 122.501

Tritanomaly
47, 30.347, 171.942

Monochromacy



Original Color
47, 55.603, 145.291

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 23.301, 152.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.518, 145.205 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(20, 129, 55)` looks like.

```
.text, #text, p{  
    color:rgb(20, 129, 55)  
}
```

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(20, 129, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 129, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.518, 145.205 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(20, 129, 55) }
```

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

```
.border{ border-color:rgb(20, 129, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 129, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 129, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 129, 55);  
box-shadow:4px 4px 4px 4px rgb(20, 129,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.518, 145.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 129, 55) }
```

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

```
.background{ background-color: rgb(20, 129,  
55) }
```

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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