

Converting Colors

CIELCh(48, 55.010, 136.547)

Have a look what the booklet for
CIELCh(48, 55.010, 136.547)
contains.

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Color

CIELCh(48, 54.841, 136.570)

Conversions

Conversions Part 1

Format	Color
Hex	38812D
RGB	56, 129, 45
RGB Percent	22%, 51%, 18%
CMY	0.7795, 0.4933, 0.8227
CMYK	0.56, 0.00, 0.65, 0.49
HSL	112°, 48%, 34%
HSV	112°, 65%, 51%
XYZ	9.9991, 16.7945, 5.2175
YIQ	97.5970, -16.5440, -41.6000

Conversions

Conversions Part 2

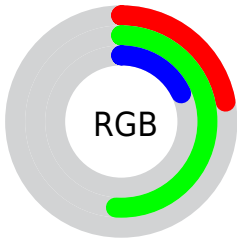
Format	Color
R_{YB}	45, 129, 118
Decimal	3703085
CIE Lab	48.00, -39.83, 37.70
CIE LCh	48, 54.841, 136.570
Yxy	16.7945, 0.3124, 0.5246
Android (android.graphics.Color)	4281893165 (0xFF38812D)
YUV	97.5970, -25.9303, -36.4806
Hunter-Lab	40.9810, -28.1639, 21.1383

Details


The CIELCh color **48, 54.841, 136.570** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **33, 55.176, 323.412**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 55.298, 136.534**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **48, 61.291, 135.905**, and if you desaturate by 10%, it is **49, 47.411, 137.331**.

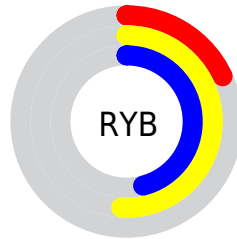
Distribution



 Red (22%)

 Green (51%)

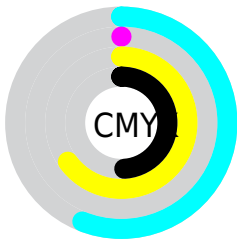
 Blue (18%)




 Red (18%)

 Yellow (51%)

 Blue (46%)

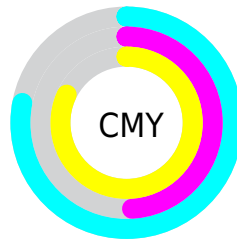



 Cyan (56%)

 Magenta (0%)

 Yellow (65%)

 Black (49%)



 Cyan (78%)


 Magenta (49%)


 Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 54.841, 136.570 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 48, 54.841, 136.570 by changing the saturation by 10% instead.


 48, 54.841,
136.570


 48, 54.841,
136.570


 100, 54.841,
136.570

 38, 54.841,
136.570

 68, 54.841,
136.570

 28, 54.841,
136.570

 78, 54.841,
136.570

 18, 54.841,
136.570

 88, 54.841,
136.570

 8, 54.841, 136.570

 98, 54.841,
136.570

 0, 54.841, 136.570

 48, 54.841,

 48, 54.841,

136.570

136.570

■ 48, 61.291,
135.905

■ 49, 47.411,
137.331

■ 47, 66.409,
135.448

■ 49, 39.311,
138.102

■ 47, 69.958,
135.275

■ 50, 30.787,
138.833

■ 47, 71.457,
135.110

■ 51, 22.034,
139.499

■ 52, 13.195,
140.093

■ 53, 4.381, 140.633

■ 55, 4.330, 321.002

■ 56, 12.882,
321.409

■ 58, 21.240,
321.741

Harmonies

Complementary

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



48, 54.841, 136.570



33, 55.176, 323.412

Rectangle

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



48, 54.841, 136.570



48, 54.841, 186.570



48, 54.841, 316.570



48, 54.841, 6.570

Sweetspot

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



48, 54.841, 136.571



66, 21.849, 139.779



49, 40.806, 97.206



34, 14.843, 139.637



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 54.841, 136.571



61, 77.546, 135.652



48, 43.652, 150.352



26, 4.883, 140.416



46, 70.763, 135.100



0, 0.000, 0.000

Inverse Universe

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



33, 55.176, 323.412



39, 77.395, 323.585



33, 43.990, 342.997



25, 4.902, 321.216



26, 69.790, 323.337



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 54.841, 136.570 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 CIELCh color 48, 54.841, 136.570 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 48, 54.841, 136.570

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.841, 136.570.



This preview shows how white text looks on a background with the CIELCh color 48, 54.841, 136.570.

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
48, 54.841, 136.570

Protanopia
48, 41.098, 95.814

Deuteranopia
48, 36.130, 80.309



Tritanopia
48, 16.861, 218.503

Trichromacy



Original Color
48, 54.841, 136.570

Protanomaly
47, 43.293, 116.239

Deuteranomaly
47, 37.230, 109.421

Tritanomaly
48, 25.614, 163.189

Monochromacy



Original Color
48, 54.841, 136.570

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 21.066, 139.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.841, 136.570 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(56, 129, 45)` looks like.

```
.text, #text, p{  
    color:rgb(56, 129, 45)  
}
```

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(56, 129, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 129, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.841, 136.570 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(56, 129, 45) }
```

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

```
.border{ border-color:rgb(56, 129, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 129, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 129, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 129, 45);  
box-shadow:4px 4px 4px 4px rgb(56, 129,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.841, 136.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 129, 45) }
```

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

```
.background{ background-color: rgb(56, 129,  
45) }
```

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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