

Converting Colors

CIELCh(51, 47.517, 138.296)

Have a look what the booklet for
CIELCh(51, 47.517, 138.296)
contains.

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Color

CIELCh(51, 47.555, 138.267)

Conversions

Conversions Part 1

Format	Color
Hex	488841
RGB	72, 136, 65
RGB Percent	28%, 53%, 25%
CMY	0.7188, 0.4678, 0.7462
CMYK	0.47, 0.00, 0.52, 0.47
HSL	114°, 35%, 39%
HSV	114°, 52%, 53%
XYZ	12.3583, 19.2686, 8.0272
YIQ	108.7700, -15.3530, -35.6490

Conversions

Conversions Part 2

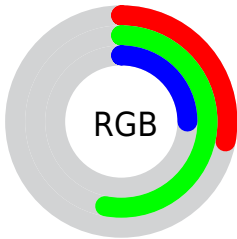
Format	Color
R _{YB}	65, 136, 129
Decimal	4753473
CIE _{Lab}	51.00, -35.49, 31.66
CIE _{LCh}	51, 47.555, 138.267
Y _{xy}	19.2686, 0.3117, 0.4859
Android (android.graphics.Color)	4282943553 (0xFF488841)
Y _{UV}	108.7700, -21.5786, -32.2473
Hunter-Lab	43.8960, -26.5638, 19.8850

Details

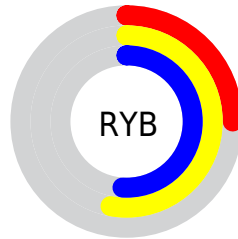
The CIELCh color $51, 47.555, 138.267$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 47.793, 324.079$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $71, 47.363, 138.368$, and $31, 47.189, 138.392$ is the 20% darker color. If you saturate the color by 10%, you get $50, 55.517, 137.421$, and if you desaturate by 10%, it is $52, 38.932, 139.095$.

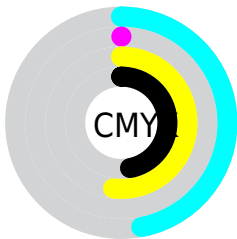
Distribution



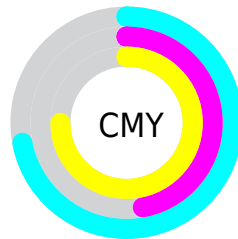
- Red (28%)
- Green (53%)
- Blue (25%)



- Red (25%)
- Yellow (53%)
- Blue (51%)



- Cyan (47%)
- Magenta (0%)
- Yellow (52%)
- Black (47%)





- Cyan (72%)
- Magenta (47%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 47.555, 138.267 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 51, 47.555, 138.267 by changing the saturation by 10% instead.


 51, 47.555,
138.267


 51, 47.555,
138.267


 100, 47.555,
138.267


 41, 47.555,
138.267


 71, 47.555,
138.267

 31, 47.555,
138.267

 81, 47.555,
138.267

 21, 47.555,
138.267

 91, 47.555,
138.267

 11, 47.555,
138.267

 1, 47.555, 138.267

 0, 47.555, 138.267

■ 51, 47.555,
138.267

■ 51, 47.555,
138.267

■ 50, 55.517,
137.421

■ 52, 38.932,
139.095

■ 50, 62.501,
136.631

■ 53, 29.901,
139.860

■ 49, 68.141,
136.007

■ 54, 20.659,
140.546

■ 49, 72.101,
135.670

■ 55, 11.357,
141.152

■ 49, 74.336,
135.412

■ 56, 2.107, 141.738

■ 58, 7.011, 322.074

■ 59, 15.942,
322.468

■ 61, 24.649,
322.796

■ 63, 33.114,
323.074

Harmonies

Complementary

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



51, 47.555, 138.267



38, 47.793, 324.079

Rectangle

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



51, 47.555, 138.267



51, 47.555, 188.267



51, 47.555, 318.267



51, 47.555, 8.267

Sweetspot

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



51, 47.556, 138.268



69, 18.294, 140.916



53, 35.858, 100.417



36, 12.456, 140.809



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 47.556, 138.268



64, 69.031, 137.249



51, 36.431, 153.549



28, 5.262, 141.328



48, 73.087, 135.398



1, 2.434, 141.764

Inverse Universe

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



38, 47.793, 324.079



46, 69.083, 324.440



38, 37.375, 343.294



27, 5.279, 322.172



28, 71.565, 324.522



0, 2.434, 321.760

Previews

White Background



This preview shows how the CIELCh color 51, 47.555, 138.267 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 51, 47.555, 138.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

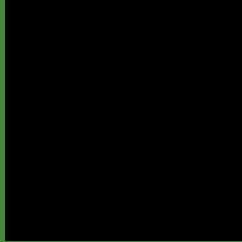
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 47.555, 138.267

Background



This preview shows how black text looks on a background with the CIELCh color 51, 47.555, 138.267.



This preview shows how white text looks on a background with the CIELCh color 51, 47.555, 138.267.

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
51, 47.555, 138.267

Protanopia
51, 35.035, 95.618

Deuteranopia
51, 30.316, 77.130



Tritanopia
51, 15.488, 220.347

Trichromacy



Original Color
51, 47.555, 138.267

Protanomaly
50, 36.514, 116.249

Deuteranomaly
50, 31.225, 108.587

Tritanomaly
51, 22.371, 165.697

Monochromacy



Original Color
51, 47.555, 138.267

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 18.098, 140.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 47.555, 138.267 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(72, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(72, 136, 65)  
}
```

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(72, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 136, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 47.555, 138.267 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(72, 136, 65) }
```

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

```
.border{ border-color:rgb(72, 136, 65) }
```

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

Here you see how a box with a 4 pixel rgb(72, 136, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(72, 136,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 47.555, 138.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 136, 65) }
```

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

```
.background{ background-color: rgb(72, 136,  
65) }
```

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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