

Converting Colors

CIELCh(53, 46.808, 49.409)

Have a look what the booklet for
CIELCh(53, 46.808, 49.409) contains.

CIELCh(53, 46.484, 49.338)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 46.484, 49.338)

Conversions

Conversions Part 1

Format	Color
Hex	BC6843
RGB	188, 104, 67
RGB Percent	74%, 41%, 26%
CMY	0.2621, 0.5916, 0.7368
CMYK	0.00, 0.45, 0.64, 0.26
HSL	18°, 48%, 50%
HSV	18°, 64%, 74%
XYZ	26.7589, 21.0462, 7.9820
YIQ	124.8980, 61.9410, 6.3010

Conversions

Conversions Part 2

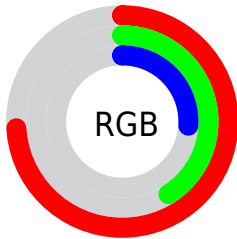
Format	Color
RYB	188, 120, 67
Decimal	12347459
CIELab	53.00, 30.29, 35.26
CIELCh	53, 46.484, 49.338
Yxy	21.0462, 0.4797, 0.3773
Android (android.graphics.Color)	4290537539 (0xFFBC6843)
YUV	124.8980, -28.5437, 55.3405
Hunter-Lab	45.8761, 23.8333, 21.7974

Details

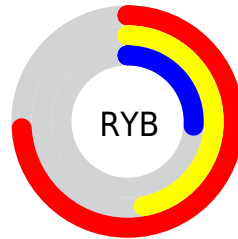
The CIELCh color **53, 46.484, 49.338** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **59, 30.126, 242.549**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 46.498, 49.265**, and **33, 46.677, 49.488** is the 20% darker color. If you saturate the color by 10%, you get **50, 55.308, 49.208**, and if you desaturate by 10%, it is **56, 37.911, 49.525**.

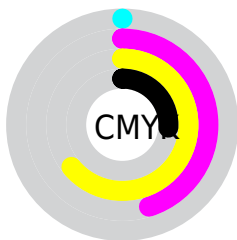
Distribution



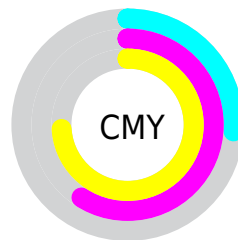
- Red (74%)
- Green (41%)
- Blue (26%)



- Red (74%)
- Yellow (47%)
- Blue (26%)



- Cyan (0%)
- Magenta (45%)
- Yellow (64%)
- Black (26%)



- Cyan (26%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 46.484, 49.338 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 53, 46.484, 49.338 by changing the saturation by 10% instead.

■ 53, 46.484, 49.338

■ 53, 46.484, 49.338

■ 100, 46.484,
49.338

■ 43, 46.484, 49.338

■ 73, 46.484, 49.338

■ 33, 46.484, 49.338

■ 83, 46.484, 49.338

■ 23, 46.484, 49.338

■ 93, 46.484, 49.338

■ 13, 46.484, 49.338

■ 3, 46.484, 49.338

■ 0, 46.484, 49.338

■ 53, 46.484, 49.338

■ 53, 46.484, 49.338

■ 50, 55.308, 49.208

■ 56, 37.911, 49.525

■ 47, 63.916, 48.949

■ 60, 29.794, 49.815

45, 71.324, 48.151

63, 22.202, 50.218

44, 75.035, 47.666

67, 15.141, 50.717

71, 8.586, 51.283

75, 2.496, 51.796

79, 3.173, 232.830

82, 8.469, 233.451

86, 13.436,
234.158

Harmonies

Complementary

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



53, 46.484, 49.338



59, 30.126, 242.549

Rectangle

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



53, 46.484, 49.338



53, 46.484, 99.338



53, 46.484, 229.338



53, 46.484, 279.338

Sweetspot

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



53, 46.482, 49.342



87, 14.369, 50.995



48, 61.303, 339.600



45, 9.994, 50.835



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



53, 46.482, 49.342



63, 71.596, 49.137



68, 52.041, 92.705



38, 3.342, 51.568



37, 65.648, 48.116



4, 10.320, 40.848

Inverse Universe

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



59, 30.126, 242.549



72, 41.732, 247.363



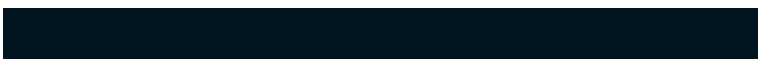
42, 58.244, 292.361



38, 3.183, 233.089



44, 34.379, 256.531



6, 9.707, 246.213

Previews

White Background



This preview shows how the CIELCh color 53, 46.484, 49.338 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 CIE LCh color 53, 46.484, 49.338 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 53, 46.484, 49.338

Background



This preview shows how black text looks on a background with the CIELCh color 53, 46.484, 49.338.



This preview shows how white text looks on a background with the CIELCh color 53, 46.484, 49.338.

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

53, 46.484, 49.338

Protanopia

53, 29.997, 95.917

Deuteranopia

53, 37.171, 79.590



Tritanopia
53, 39.655, 19.128

Trichromacy



Original Color
53, 46.484, 49.338

Protanomaly
53, 32.688, 73.895

Deuteranomaly
53, 38.926, 66.402

Tritanomaly
53, 40.609, 31.414

Monochromacy



Original Color
53, 46.484, 49.338

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 15.542, 49.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 46.484, 49.338 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(188, 104, 67)` looks like.

```
.text, #text, p{  
    color:rgb(188, 104, 67)  
}
```

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(188, 104, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 104, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 46.484, 49.338 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(188, 104, 67) }
```

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

```
.border{ border-color:rgb(188, 104, 67) }
```

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

Here you see how a box with a 4 pixel rgb(188, 104, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 104, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 104, 67);  
box-shadow:4px 4px 4px 4px rgb(188, 104,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 46.484, 49.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 104, 67) }
```

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

```
.background{ background-color: rgb(188,  
104, 67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor