

Converting Colors

CIELCh(53, 84.685, 48.687)

Have a look what the booklet for
CIELCh(53, 84.685, 48.687) contains.

CIELCh(53, 84.867, 48.674)	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, 84.867, 48.674)

Conversions

Conversions Part 1

Format	Color
Hex	E14B00
RGB	225, 75, 0
RGB Percent	88%, 29%, 0%
CMY	0.1176, 0.7058, 0.9999
CMYK	0.00, 0.67, 1.00, 0.12
HSL	20°, 100%, 44%
HSV	20°, 100%, 88%
XYZ	33.5762, 21.0462, 2.2934
YIQ	111.3000, 113.4750, 8.4750

Conversions

Conversions Part 2

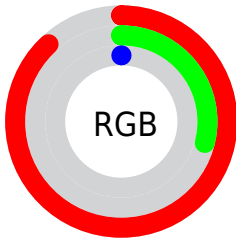
Format	Color
RYB	225, 113, 0
Decimal	14764800
CIELab	53.00, 56.04, 63.73
CIElCh	53, 84.867, 48.674
Yxy	21.0462, 0.5899, 0.3698
Android (android.graphics.Color)	4292954880 (0xFFE14B00)
YUV	111.3000, -54.8709, 99.7149
Hunter-Lab	45.8761, 50.3587, 29.1493

Details

The CIELCh color **53, 84.867, 48.674** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **59, 47.503, 262.789**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 71.171, 52.751**, and **33, 73.682, 39.901** is the 20% darker color. If you saturate the color by 10%, you get **53, 84.873, 48.675**, and if you desaturate by 10%, it is **55, 77.908, 50.204**.

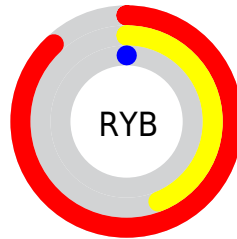
Distribution



Red (88%)

Green (29%)

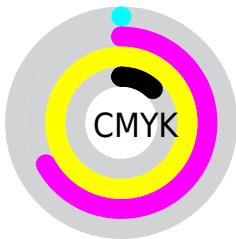
Blue (0%)



Red (88%)

Yellow (44%)

Blue (0%)

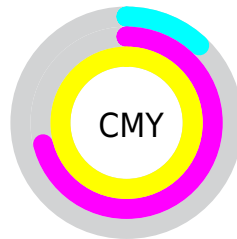


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 84.867, 48.674 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, 84.867, 48.674 by changing the saturation by 10% instead.

53, 84.867, 48.674

53, 84.867, 48.674

100, 84.867,
48.674

43, 84.867, 48.674

73, 84.867, 48.674

33, 84.867, 48.674

83, 84.867, 48.674

23, 84.867, 48.674

93, 84.867, 48.674

13, 84.867, 48.674

3, 84.867, 48.674

0, 84.867, 48.674

53, 84.867, 48.674

53, 84.867, 48.674

53, 84.873, 48.675

55, 77.908, 50.204

58, 68.939, 51.059

62, 59.017, 51.516

65, 49.052, 51.894

69, 39.465, 52.323

73, 30.423, 52.841

77, 21.976, 53.448

81, 14.114, 54.125

85, 6.801, 54.834

Harmonies

Complementary

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



53, 84.867, 48.674



59, 47.503, 262.789

Rectangle

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



53, 84.867, 48.674



53, 84.867, 98.674



53, 84.867, 228.674



53, 84.867, 278.674

Sweetspot

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



53, 84.864, 48.676



86, 24.352, 53.434



50, 82.090, 347.747



44, 16.881, 53.167



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 84.864, 48.676



60, 93.525, 48.430



77, 78.927, 90.534



45, 3.850, 54.872



42, 70.201, 49.256



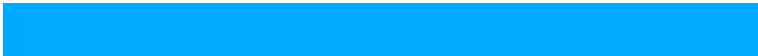
9, 20.605, 42.741

Inverse Universe

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



59, 47.503, 262.789



66, 52.440, 263.189



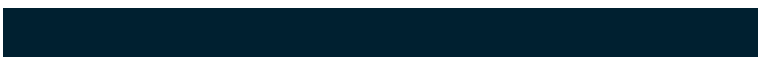
31, 111.194, 303.726



45, 3.674, 236.626



47, 39.144, 261.873



11, 14.740, 251.928

Previews

White Background



This preview shows how the CIELCh color 53, 84.867, 48.674 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 53, 84.867, 48.674 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, 84.867, 48.674

Background



This preview shows how black text looks on a background with the CIELCh color 53, 84.867, 48.674.



This preview shows how white text looks on a background with the CIELCh color 53, 84.867, 48.674.

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, 84.867, 48.674

Protanopia

53, 53.171, 95.201

Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 68.834, 28.985

Trichromacy



Original Color
53, 84.867, 48.674

Protanomaly
51, 58.853, 70.670

Deuteranomaly
52, 65.264, 66.232

Tritanomaly
53, 75.580, 39.472

Monochromacy



Original Color
53, 84.867, 48.674

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 30.773, 52.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 84.867, 48.674 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(225, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 75, 0)  
}
```

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(225, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 75, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 84.867, 48.674 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(225, 75, 0) }
```

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

```
.border{ border-color:rgb(225, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 84.867, 48.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 75, 0) }
```

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

```
.background{ background-color: rgb(225, 75,  
0) }
```

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