

Converting Colors

CIELCh(48, 56.886, 54.606)

Have a look what the booklet for
CIELCh(48, 56.886, 54.606) contains.

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Color

CIELCh(48, 56.886, 54.606)

Conversions

Conversions Part 1

Format	Color
Hex	B35922
RGB	179, 89, 34
RGB Percent	70%, 35%, 13%
CMY	0.2988, 0.6516, 0.8673
CMYK	0.00, 0.50, 0.81, 0.30
HSL	23°, 68%, 42%
HSV	23°, 81%, 70%
XYZ	22.3925, 16.7945, 3.5632
YIQ	109.6400, 71.2950, 1.9750

Conversions

Conversions Part 2

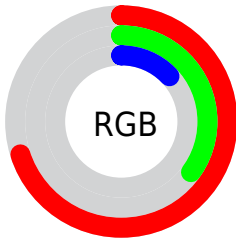
Format	Color
RYB	179, 123, 34
Decimal	11753762
CIELab	48.00, 32.95, 46.37
CIELCh	48, 56.886, 54.606
Yxy	16.7945, 0.5238, 0.3929
Android (android.graphics.Color)	4289943842 (0xFFB35922)
YUV	109.6400, -37.2905, 60.8287
Hunter-Lab	40.9810, 25.8177, 23.5316

Details

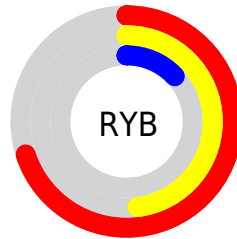
The CIELCh color **48, 56.886, 54.606** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **49, 36.871, 260.263**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.867, 54.309**, and **28, 51.873, 49.969** is the 20% darker color. If you saturate the color by 10%, you get **46, 63.969, 53.345**, and if you desaturate by 10%, it is **51, 48.977, 55.461**.

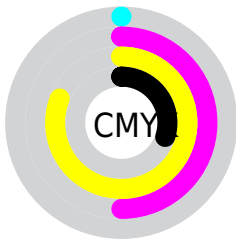
Distribution



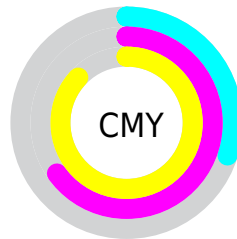
- Red (70%)
- Green (35%)
- Blue (13%)



- Red (70%)
- Yellow (48%)
- Blue (13%)



- Cyan (0%)
- Magenta (50%)
- Yellow (81%)
- Black (30%)



- Cyan (30%)
- Magenta (65%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 56.886, 54.606 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, 56.886, 54.606 by changing the saturation by 10% instead.

48, 56.886, 54.606

48, 56.886, 54.606

100, 56.886,
54.606

38, 56.886, 54.606

68, 56.886, 54.606

28, 56.886, 54.606

78, 56.886, 54.606

18, 56.886, 54.606

88, 56.886, 54.606

8, 56.886, 54.606

98, 56.886, 54.606

0, 56.886, 54.606

48, 56.886, 54.606

48, 56.886, 54.606

46, 63.969, 53.345

51, 48.977, 55.461

44, 69.292, 51.905

53, 40.965, 56.188

56, 33.199, 56.918

59, 25.823, 57.695

63, 18.885, 58.525

66, 12.385, 59.397

69, 6.297, 60.284

73, 0.586, 60.571

76, 4.787, 242.328

Harmonies

Complementary

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



48, 56.886, 54.606



49, 36.871, 260.263

Rectangle

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



48, 56.886, 54.606



48, 56.886, 104.606



48, 56.886, 234.606



48, 56.886, 284.606

Sweetspot

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



48, 56.884, 54.609



82, 17.631, 59.103



42, 64.982, 345.786



43, 12.355, 58.795



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 56.884, 54.609



57, 82.808, 51.839



65, 62.415, 95.344



36, 3.198, 60.434



37, 61.514, 52.380



4, 7.513, 50.684

Inverse Universe

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



49, 36.871, 260.263



59, 51.959, 268.715



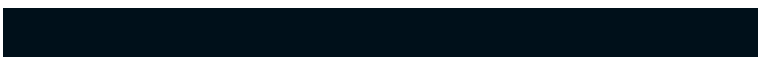
30, 78.488, 299.908



36, 3.075, 242.438



39, 38.204, 268.587



4, 7.964, 254.339

Previews

White Background



This preview shows how the CIELCh color 48, 56.886, 54.606 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, 56.886, 54.606 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, 56.886, 54.606

Background



This preview shows how black text looks on a background with the CIELCh color 48, 56.886, 54.606.



This preview shows how white text looks on a background with the CIELCh color 48, 56.886, 54.606.

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, 56.886, 54.606

Protanopia

48, 41.542, 95.892

Deuteranopia

48, 48.402, 82.983



Tritanopia
48, 43.324, 21.521

Trichromacy



Original Color
48, 56.886, 54.606

Protanomaly
47, 43.532, 77.142

Deuteranomaly
48, 49.926, 71.242

Tritanomaly
48, 46.357, 36.483

Monochromacy



Original Color
48, 56.886, 54.606

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 19.071, 58.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 56.886, 54.606 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(179, 89, 34)` looks like.

```
.text, #text, p{  
    color:rgb(179, 89, 34)  
}
```

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(179, 89, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 89, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 56.886, 54.606 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(179, 89, 34) }
```

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

```
.border{ border-color:rgb(179, 89, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 89, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 89, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 89, 34);  
box-shadow:4px 4px 4px 4px rgb(179, 89,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 56.886, 54.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 89, 34) }
```

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

```
.background{ background-color: rgb(179, 89,  
34) }
```

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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