

Converting Colors

CIELCh(47, 43.198, 89.188)

Have a look what the booklet for
CIELCh(47, 43.198, 89.188) contains.

CIELCh(47, 43.193, 89.170)	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(47, 43.193, 89.170)

Conversions

Conversions Part 1

Format	Color
Hex	846D22
RGB	132, 109, 34
RGB Percent	52%, 43%, 13%
CMY	0.4815, 0.5718, 0.8659
CMYK	0.00, 0.17, 0.74, 0.48
HSL	46°, 59%, 33%
HSV	46°, 74%, 52%
XYZ	15.3315, 16.0195, 3.8128
YIQ	107.3270, 37.7830, -18.4490

Conversions

Conversions Part 2

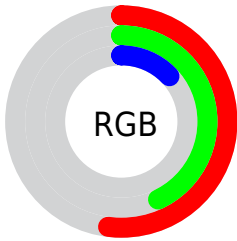
Format	Color
R _Y B	64, 132, 34
Decimal	8678690
CIE Lab	47.00, 0.63, 43.19
CIE LCh	47, 43.193, 89.170
Yxy	16.0195, 0.4360, 0.4556
Android (android.graphics.Color)	4286868770 (0xFF846D22)
YUV	107.3270, -36.1502, 21.6382
Hunter-Lab	40.0243, -1.6673, 22.3689

Details

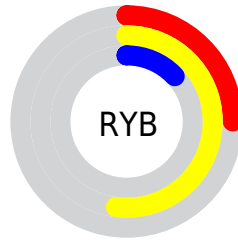
The CIELCh color $47, 43.193, 89.170$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $27, 48.587, 292.780$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.960, 88.887$, and $27, 36.266, 88.149$ is the 20% darker color. If you saturate the color by 10%, you get $46, 47.426, 87.779$, and if you desaturate by 10%, it is $48, 38.063, 90.492$.

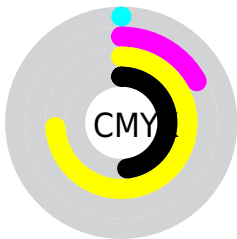
Distribution



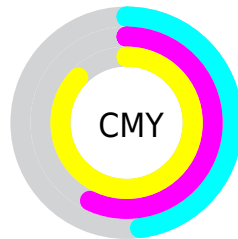
- Red (52%)
- Green (43%)
- Blue (13%)



- Red (25%)
- Yellow (52%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (74%)
- Black (48%)



- Cyan (48%)
- Magenta (57%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 43.193, 89.170 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 47, 43.193, 89.170 by changing the saturation by 10% instead.

■ 47, 43.193, 89.170

■ 47, 43.193, 89.170

■ 100, 43.193,
89.170

■ 37, 43.193, 89.170

■ 67, 43.193, 89.170

■ 27, 43.193, 89.170

■ 77, 43.193, 89.170

■ 17, 43.193, 89.170

■ 87, 43.193, 89.170

■ 7, 43.193, 89.170

■ 97, 43.193, 89.170

■ 0, 43.193, 89.170

■ 47, 43.193, 89.170

■ 47, 43.193, 89.170

■ 46, 47.426, 87.779

■ 48, 38.063, 90.492

■ 45, 50.329, 86.250

■ 49, 32.416, 91.772

45, 51.865, 85.364

50, 26.503, 93.024

51, 20.478, 94.253

52, 14.430, 95.453

54, 8.408, 96.620

55, 2.439, 97.718

56, 3.464, 278.907

57, 9.297, 279.937

Harmonies

Complementary

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



47, 43.193, 89.170



27, 48.587, 292.780

Rectangle

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



47, 43.193, 89.170



47, 43.193, 139.170



47, 43.193, 269.170



47, 43.193, 319.170

Sweetspot

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



47, 43.193, 89.173



67, 16.211, 95.648



30, 44.120, 12.469



35, 10.988, 95.379



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 43.193, 89.173



58, 59.787, 86.749



52, 52.467, 116.169



27, 3.354, 97.184



44, 51.256, 85.396



1, 0.802, 98.227

Inverse Universe

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



27, 48.587, 292.780



29, 73.459, 297.891



23, 63.303, 306.431



26, 3.383, 279.327



18, 66.332, 300.321



0, 0.802, 278.231

Previews

White Background



This preview shows how the CIELCh color 47, 43.193, 89.170 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 47, 43.193, 89.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

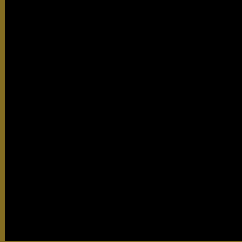
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 43.193, 89.170

Background



This preview shows how black text looks on a background with the CIELCh color 47, 43.193, 89.170.



This preview shows how white text looks on a background with the CIELCh color 47, 43.193, 89.170.

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

47, 43.193, 89.170

Protanopia

47, 42.887, 95.798

Deuteranopia

47, 43.544, 81.858



Tritanopia
47, 15.804, 4.268

Trichromacy



Original Color
47, 43.193, 89.170

Protanomaly
47, 42.843, 93.146

Deuteranomaly
47, 43.131, 84.434

Tritanomaly
47, 19.872, 62.868

Monochromacy



Original Color
47, 43.193, 89.170

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 16.448, 93.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 43.193, 89.170 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(132, 109, 34)` looks like.

```
.text, #text, p{  
    color:rgb(132, 109, 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(132, 109, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 109, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 43.193, 89.170 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(132, 109, 34) }
```

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

```
.border{ border-color:rgb(132, 109, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 109, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 109, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 109, 34);  
box-shadow:4px 4px 4px 4px rgb(132, 109,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 43.193, 89.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 109, 34) }
```

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

```
.background{ background-color: rgb(132,  
109, 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](#).

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