

Converting Colors

CIELCh(51, 46.899, 96.800)

Have a look what the booklet for
CIELCh(51, 46.899, 96.800) contains.

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Color

CIELCh(51, 46.705, 96.444)

Conversions

Conversions Part 1

Format	Color
Hex	877A24
RGB	135, 122, 36
RGB Percent	53%, 48%, 14%
CMY	0.4697, 0.5207, 0.8580
CMYK	0.00, 0.10, 0.73, 0.47
HSL	52°, 58%, 34%
HSV	52°, 73%, 53%
XYZ	17.3350, 19.2686, 4.4920
YIQ	116.0830, 35.3540, -23.9900

Conversions

Conversions Part 2

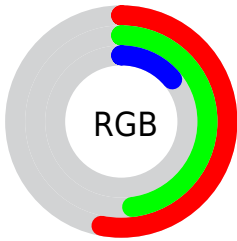
Format	Color
RYB	51, 135, 36
Decimal	8878628
CIELab	51.00, -5.24, 46.41
CIELCh	51, 46.705, 96.444
Yxy	19.2686, 0.4218, 0.4689
Android (android.graphics.Color)	4287068708 (0xFF877A24)
YUV	116.0830, -39.4809, 16.5902
Hunter-Lab	43.8960, -6.3266, 24.6599

Details

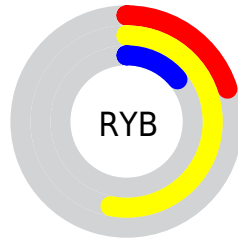
The CIELCh color **51, 46.705, 96.444** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **25, 55.940, 297.426**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 46.557, 96.298**, and **31, 39.884, 96.766** is the 20% darker color. If you saturate the color by 10%, you get **50, 51.001, 95.447**, and if you desaturate by 10%, it is **52, 41.371, 97.480**.

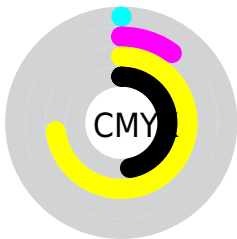
Distribution



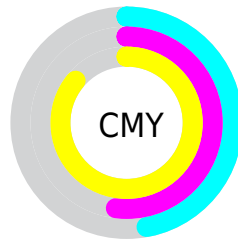
- Red (53%)
- Green (48%)
- Blue (14%)



- Red (20%)
- Yellow (53%)
- Blue (14%)



- Cyan (0%)
- Magenta (10%)
- Yellow (73%)
- Black (47%)



- Cyan (47%)
- Magenta (52%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 46.705, 96.444 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, 46.705, 96.444 by changing the saturation by 10% instead.

■ 51, 46.705, 96.444

■ 51, 46.705, 96.444

■ 100, 46.705,
96.444

■ 41, 46.705, 96.444

■ 71, 46.705, 96.444

■ 31, 46.705, 96.444

■ 81, 46.705, 96.444

■ 21, 46.705, 96.444

■ 91, 46.705, 96.444

■ 11, 46.705, 96.444

■ 1, 46.705, 96.444

■ 0, 46.705, 96.444

■ 51, 46.705, 96.444

■ 51, 46.705, 96.444

■ 50, 51.001, 95.447

■ 52, 41.371, 97.480

■ 50, 53.856, 94.475

■ 52, 35.373, 98.543

49, 55.397, 93.832

53, 28.981, 99.623

54, 22.374,
100.709

54, 15.660,
101.789

55, 8.909, 102.850

56, 2.159, 103.859

57, 4.566, 284.931

58, 11.250,
285.893

Harmonies

Complementary

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



51, 46.705, 96.444



25, 55.940, 297.426

Rectangle

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



51, 46.705, 96.444



51, 46.705, 146.444



51, 46.705, 276.444



51, 46.705, 326.444

Sweetspot

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



51, 46.705, 96.447



70, 18.400, 101.867



31, 45.701, 21.344



36, 12.459, 101.619



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, 46.705, 96.447



64, 64.409, 94.790



52, 54.354, 121.243



29, 3.857, 103.270



49, 54.623, 93.850



1, 1.793, 104.227

Inverse Universe

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



25, 55.940, 297.426



26, 84.405, 301.725



25, 63.230, 309.017



27, 3.916, 285.242



16, 75.289, 303.757



0, 1.794, 284.230

Previews

White Background



This preview shows how the CIE LCh color 51, 46.705, 96.444 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 51, 46.705, 96.444 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, 46.705, 96.444

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.705, 96.444.



This preview shows how white text looks on a background with the CIELCh color 51, 46.705, 96.444.

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, 46.705, 96.444

Protanopia

51, 46.782, 95.862

Deuteranopia

51, 46.098, 81.570



Tritanopia
51, 12.554, 356.397

Trichromacy



Original Color
51, 46.705, 96.444

Protanomaly
51, 46.782, 95.862

Deuteranomaly
51, 46.013, 87.227

Tritanomaly
51, 18.385, 74.310

Monochromacy



Original Color
51, 46.705, 96.444

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 18.127, 100.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.705, 96.444 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(135, 122, 36)` looks like.

```
.text, #text, p{  
    color:rgb(135, 122, 36)  
}
```

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(135, 122, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 122, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.705, 96.444 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(135, 122, 36) }
```

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

```
.border{ border-color:rgb(135, 122, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 122, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 122, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 122, 36);  
box-shadow:4px 4px 4px 4px rgb(135, 122,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.705, 96.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 122, 36) }
```

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

```
.background{ background-color: rgb(135,  
122, 36) }
```

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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