

Converting Colors

CIELCh(46, 86.910, 43.087)

Have a look what the booklet for
CIELCh(46, 86.910, 43.087) contains.

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Color

CIELCh(46, 86.802, 42.852)

Conversions

Conversions Part 1

Format	Color
Hex	D32700
RGB	211, 39, 0
RGB Percent	83%, 15%, 0%
CMY	0.1731, 0.8476, 1.0000
CMYK	0.00, 0.82, 1.00, 0.17
HSL	11°, 100%, 41%
HSV	11°, 100%, 83%
XYZ	27.5441, 15.2687, 1.4922
YIQ	85.9820, 115.0310, 24.3350

Conversions

Conversions Part 2

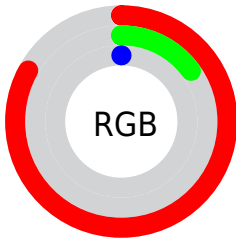
Format	Color
RYB	211, 48, 0
Decimal	13838080
CIELab	46.00, 63.64, 59.03
CIElCh	46, 86.802, 42.852
Yxy	15.2687, 0.6217, 0.3446
Android (android.graphics.Color)	4292028160 (0xFFD32700)
YUV	85.9820, -42.3891, 109.6408
Hunter-Lab	39.0751, 57.4432, 25.0884

Details

The CIELCh color **46, 86.802, 42.852** 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 **65, 37.854, 232.481**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 77.982, 44.113**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **46, 86.777, 42.838**, and if you desaturate by 10%, it is **48, 79.626, 42.458**.

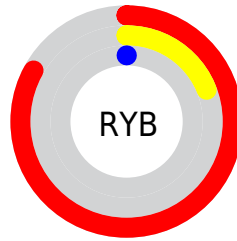
Distribution



Red (83%)

Green (15%)

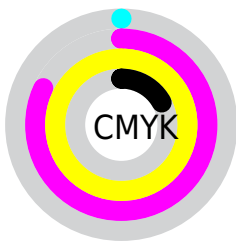
Blue (0%)



Red (83%)

Yellow (19%)

Blue (0%)

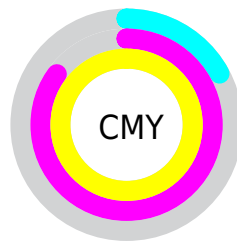


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 86.802, 42.852 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 46, 86.802, 42.852 by changing the saturation by 10% instead.

■ 46, 86.802, 42.852

■ 46, 86.802, 42.852

■ 100, 86.802,
42.852

■ 36, 86.802, 42.852

■ 66, 86.802, 42.852

■ 26, 86.802, 42.852

■ 76, 86.802, 42.852

■ 16, 86.802, 42.852

■ 86, 86.802, 42.852

■ 6, 86.802, 42.852

■ 96, 86.802, 42.852

■ 0, 86.802, 42.852

■ 46, 86.802, 42.852

■ 46, 86.802, 42.852

■ 46, 86.777, 42.838

■ 48, 79.626, 42.458

■ 50, 70.330, 41.501

■ 54, 60.112, 40.326

■ 57, 49.879, 39.292

■ 61, 40.036, 38.507

■ 66, 30.764, 37.973

■ 70, 22.132, 37.656

■ 75, 14.149, 37.510

■ 80, 6.787, 37.474

Harmonies

Complementary

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



46, 86.802, 42.852



65, 37.854, 232.481

Rectangle

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



46, 86.802, 42.852



46, 86.802, 92.852



46, 86.802, 222.852



46, 86.802, 272.852

Sweetspot

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



46, 86.777, 42.838



83, 25.858, 37.663



48, 86.714, 337.254



42, 17.959, 37.777



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 86.777, 42.838



55, 100.493, 42.600



65, 71.590, 76.952



41, 3.815, 37.473



37, 72.995, 43.193



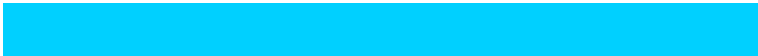
6, 17.931, 29.478

Inverse Universe

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



65, 37.854, 232.481



77, 43.718, 232.925



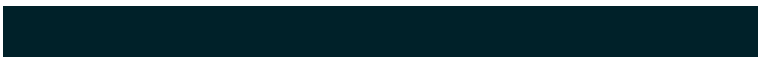
35, 87.784, 297.817



43, 3.596, 217.958



53, 31.979, 231.849



11, 12.215, 224.129

Previews

White Background



This preview shows how the CIELCh color 46, 86.802, 42.852 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 46, 86.802, 42.852 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 46, 86.802, 42.852

Background



This preview shows how black text looks on a background with the CIELCh color 46, 86.802, 42.852.



This preview shows how white text looks on a background with the CIELCh color 46, 86.802, 42.852.

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

46, 86.802, 42.852

Protanopia

46, 45.738, 95.174

Deuteranopia

46, 53.575, 84.409



Tritanopia
46, 79.354, 35.469

Trichromacy



Original Color
46, 86.802, 42.852

Protanomaly
43, 54.095, 61.948

Deuteranomaly
44, 61.663, 60.197

Tritanomaly
46, 82.599, 39.074

Monochromacy



Original Color
46, 86.802, 42.852

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 32.226, 38.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 86.802, 42.852 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(211, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 39, 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(211, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 39, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 86.802, 42.852 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(211, 39, 0) }
```

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

```
.border{ border-color:rgb(211, 39, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 86.802, 42.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 39, 0) }
```

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

```
.background{ background-color: rgb(211, 39,  
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](#).

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