

Converting Colors

CIELCh(46, 82.682, 36.488)

Have a look what the booklet for
CIELCh(46, 82.682, 36.488) contains.

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Color

CIELCh(46, 82.535, 36.475)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D51F1D |
| RGB | 213, 31, 29 |
| RGB Percent | 84%, 12%, 11% |
| CMY | 0.1638, 0.8770, 0.8856 |
| CMYK | 0.00, 0.85, 0.86, 0.16 |
| HSL | 1°, 76%, 48% |
| HSV | 1°, 86%, 84% |
| XYZ | 28.2320, 15.2687, 2.6325 |
| YIQ | 85.1900, 109.1140, 37.9620 |

Conversions

Conversions Part 2

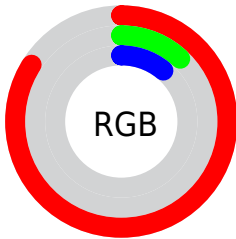
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 213, 31, 29 |
| Decimal | 13967133 |
| CIELab | 46.00, 66.37, 49.06 |
| CIElCh | 46, 82.535, 36.475 |
| Yxy | 15.2687, 0.6120, 0.3310 |
| Android (android.graphics.Color) | 4292157213 (0xFFD51F1D) |
| YUV | 85.1900, -27.7017, 112.0894 |
| Hunter-Lab | 39.0751, 60.5859, 23.3582 |

Details

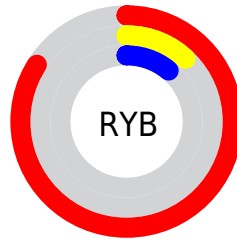
The CIELCh color **46, 82.535, 36.475** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **77, 42.077, 198.109**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 73.003, 36.726**, and **30, 69.440, 39.398** is the 20% darker color. If you saturate the color by 10%, you get **45, 89.234, 39.203**, and if you desaturate by 10%, it is **48, 73.302, 33.062**.

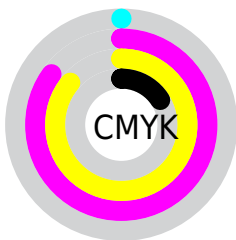
Distribution



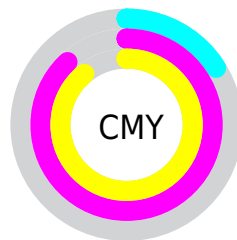
- Red (84%)
- Green (12%)
- Blue (11%)



- Red (84%)
- Yellow (12%)
- Blue (11%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (16%)



- Cyan (16%)
- Magenta (88%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 82.535, 36.475 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, 82.535, 36.475 by changing the saturation by 10% instead.

 46, 82.535, 36.475

 46, 82.535, 36.475

 100, 82.535,
36.475

 36, 82.535, 36.475

 66, 82.535, 36.475

 26, 82.535, 36.475

 76, 82.535, 36.475

 16, 82.535, 36.475

 86, 82.535, 36.475

 6, 82.535, 36.475

 96, 82.535, 36.475

 0, 82.535, 36.475

 46, 82.535, 36.475

 46, 82.535, 36.475

 45, 89.234, 39.203

 48, 73.302, 33.062

 45, 91.217, 40.104

 51, 63.045, 29.875

■ 55, 52.456, 27.238

■ 60, 41.948, 25.169

■ 65, 31.804, 23.581

■ 70, 22.205, 22.367

■ 76, 13.240, 21.431

■ 82, 4.928, 20.654

■ 88, 2.755, 200.439

Harmonies

Complementary

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



46, 82.535, 36.475



77, 42.077, 198.109

Rectangle

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



46, 82.535, 36.475



46, 82.535, 86.475



46, 82.535, 216.475



46, 82.535, 266.475

Sweetspot

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



46, 82.532, 36.477



83, 25.355, 22.362



52, 97.553, 328.116



42, 17.418, 22.749



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, 82.532, 36.477



53, 104.433, 40.083



60, 67.409, 63.662



42, 4.496, 20.892



35, 77.185, 40.044



5, 21.832, 20.337

Inverse Universe

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



77, 42.077, 198.109



90, 49.259, 198.280



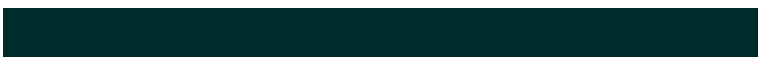
50, 55.022, 278.369



44, 4.236, 200.013



63, 36.504, 198.231



15, 14.359, 197.889

Previews

White Background



This preview shows how the CIELCh color 46, 82.535, 36.475 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, 82.535, 36.475 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, 82.535, 36.475

Background



This preview shows how black text looks on a background with the CIELCh color 46, 82.535, 36.475.



This preview shows how white text looks on a background with the CIELCh color 46, 82.535, 36.475.

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, 82.535, 36.475

Protanopia

46, 36.304, 95.967

Tritanopia

46, 82.535, 36.475

Trichromacy

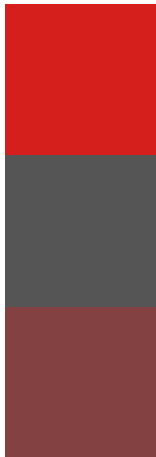


Original Color
46, 82.535, 36.475

Protanomaly
43, 45.695, 52.904

Tritanomaly
46, 82.535, 36.475

Monochromacy



Original Color
46, 82.535, 36.475

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 31.630, 24.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 82.535, 36.475 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(213, 31, 29)` looks like.

```
.text, #text, p{  
    color:rgb(213, 31, 29)  
}
```

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(213, 31, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 31, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 82.535, 36.475 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(213, 31, 29) }
```

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

```
.border{ border-color:rgb(213, 31, 29) }
```

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

Here you see how a box with a 4 pixel rgb(213, 31, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 31, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 31, 29);  
box-shadow:4px 4px 4px 4px rgb(213, 31,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 82.535, 36.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 31, 29) }
```

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

```
.background{ background-color: rgb(213, 31,  
29) }
```

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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