

Converting Colors

CIELCh(48, 81.791, 35.643)

Have a look what the booklet for
CIELCh(48, 81.791, 35.643) contains.

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Color

CIELCh(48, 81.728, 35.593)

Conversions

Conversions Part 1

Format	Color
Hex	DC2825
RGB	220, 40, 37
RGB Percent	86%, 16%, 15%
CMY	0.1384, 0.8445, 0.8557
CMYK	0.00, 0.82, 0.83, 0.14
HSL	1°, 72%, 50%
HSV	1°, 83%, 86%
XYZ	30.5020, 16.7945, 3.3673
YIQ	93.4780, 108.2430, 37.2270

Conversions

Conversions Part 2

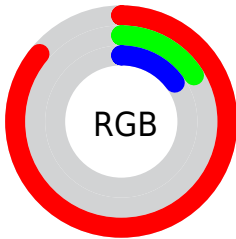
Format	Color
RYB	220, 40, 37
Decimal	14428197
CIELab	48.00, 66.46, 47.57
CIELCh	48, 81.728, 35.593
Yxy	16.7945, 0.6020, 0.3315
Android (android.graphics.Color)	4292618277 (0xFFDC2825)
YUV	93.4780, -27.8437, 110.9598
Hunter-Lab	40.9810, 61.1401, 23.8151

Details

The CIELCh color **48, 81.728, 35.593** 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 **79, 42.442, 198.617**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 69.423, 35.797**, and **32, 72.036, 39.611** is the 20% darker color. If you saturate the color by 10%, you get **46, 89.602, 38.601**, and if you desaturate by 10%, it is **51, 71.822, 32.227**.

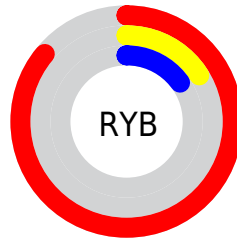
Distribution



Red (86%)

Green (16%)

Blue (15%)



Red (86%)

Yellow (16%)

Blue (15%)

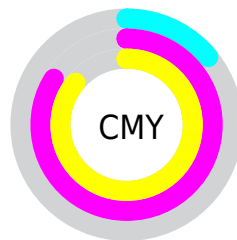


Cyan (0%)

Magenta (82%)

Yellow (83%)

Black (14%)



Cyan (14%)

Magenta (84%)

Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 81.728, 35.593 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, 81.728, 35.593 by changing the saturation by 10% instead.

 48, 81.728, 35.593

 48, 81.728, 35.593

 100, 81.728,
35.593

 38, 81.728, 35.593

 68, 81.728, 35.593

 28, 81.728, 35.593

 78, 81.728, 35.593

 18, 81.728, 35.593

 88, 81.728, 35.593

 8, 81.728, 35.593

 98, 81.728, 35.593

 0, 81.728, 35.593

 48, 81.728, 35.593

 48, 81.728, 35.593

 46, 89.602, 38.601

 51, 71.822, 32.227

 46, 93.244, 40.132

 54, 61.145, 29.226

■ 58, 50.287, 26.793

■ 63, 39.623, 24.901

■ 68, 29.409, 23.454

■ 74, 19.794, 22.350

■ 80, 10.843, 21.492

■ 86, 2.558, 20.677

■ 92, 5.096, 200.534

Harmonies

Complementary

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



48, 81.728, 35.593



79, 42.442, 198.617

Rectangle

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



48, 81.728, 35.593



48, 81.728, 85.593



48, 81.728, 215.593



48, 81.728, 265.593

Sweetspot

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



48, 81.725, 35.595



83, 24.199, 22.543



54, 98.467, 328.073



42, 16.737, 22.921



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 81.725, 35.595



53, 104.388, 40.110



62, 66.888, 64.248



43, 4.567, 21.205



36, 78.018, 40.115



5, 23.591, 21.026

Inverse Universe

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



79, 42.442, 198.617



90, 48.997, 198.896



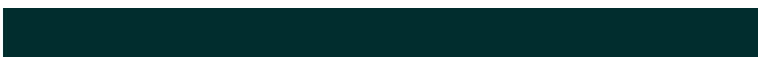
53, 54.426, 277.079



45, 4.302, 200.346



63, 36.713, 198.834



16, 14.800, 198.404

Previews

White Background



This preview shows how the CIELCh color 48, 81.728, 35.593 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, 81.728, 35.593 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, 81.728, 35.593

Background



This preview shows how black text looks on a background with the CIELCh color 48, 81.728, 35.593.



This preview shows how white text looks on a background with the CIELCh color 48, 81.728, 35.593.

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, 81.728, 35.593

Protanopia

48, 34.114, 95.997

Deuteranopia

48, 51.931, 83.308



Tritanopia
48, 81.609, 35.155

Trichromacy



Original Color
48, 81.728, 35.593

Protanomaly
45, 44.192, 52.870

Deuteranomaly
46, 58.388, 56.320

Tritanomaly
48, 81.609, 35.155

Monochromacy



Original Color
48, 81.728, 35.593

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 30.221, 25.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 81.728, 35.593 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(220, 40, 37)` looks like.

```
.text, #text, p{  
    color:rgb(220, 40, 37)  
}
```

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(220, 40, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 40, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 81.728, 35.593 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(220, 40, 37) }
```

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

```
.border{ border-color:rgb(220, 40, 37) }
```

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

Here you see how a box with a 4 pixel rgb(220, 40, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 40, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 40, 37);  
box-shadow:4px 4px 4px 4px rgb(220, 40,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 81.728, 35.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 40, 37) }
```

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

```
.background{ background-color: rgb(220, 40,  
37) }
```

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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