

Converting Colors

CIELCh(50, 79.072, 41.287)

Have a look what the booklet for
CIELCh(50, 79.072, 41.287) contains.

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Color

CIELCh(50, 79.148, 41.331)

Conversions

Conversions Part 1

Format	Color
Hex	DA3D1E
RGB	218, 61, 30
RGB Percent	85%, 24%, 12%
CMY	0.1439, 0.7596, 0.8814
CMYK	0.00, 0.72, 0.86, 0.14
HSL	10°, 76%, 49%
HSV	10°, 86%, 86%
XYZ	30.9303, 18.4187, 3.1695
YIQ	104.4090, 103.5230, 23.6430

Conversions

Conversions Part 2

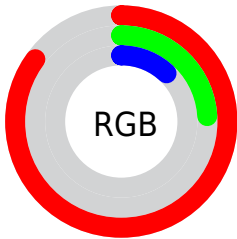
Format	Color
RYB	218, 67, 30
Decimal	14302494
CIELab	50.00, 59.43, 52.27
CIELCh	50, 79.148, 41.331
Yxy	18.4187, 0.5889, 0.3507
Android (android.graphics.Color)	4292492574 (0xFFDA3D1E)
YUV	104.4090, -36.6836, 99.6193
Hunter-Lab	42.9170, 53.5404, 25.6632

Details

The CIELCh color **50, 79.148, 41.331** 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 **70, 37.748, 224.208**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 67.716, 42.854**, and **32, 71.300, 39.555** is the 20% darker color. If you saturate the color by 10%, you get **48, 87.182, 42.034**, and if you desaturate by 10%, it is **53, 69.057, 39.979**.

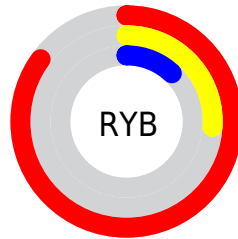
Distribution



Red (85%)

Green (24%)

Blue (12%)



Red (85%)

Yellow (26%)

Blue (12%)

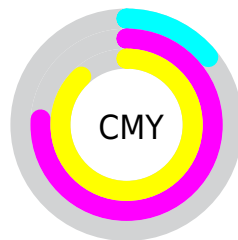


Cyan (0%)

Magenta (72%)

Yellow (86%)

Black (14%)



Cyan (14%)

Magenta (76%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 79.148, 41.331 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 50, 79.148, 41.331 by changing the saturation by 10% instead.

- 50, 79.148, 41.331
- 50, 79.148, 41.331
- 100, 79.148, 41.331
- 40, 79.148, 41.331
- 70, 79.148, 41.331
- 30, 79.148, 41.331
- 80, 79.148, 41.331
- 20, 79.148, 41.331
- 90, 79.148, 41.331
- 10, 79.148, 41.331
- 0, 79.148, 41.331

- 50, 79.148, 41.331
- 50, 79.148, 41.331
- 48, 87.182, 42.034
- 53, 69.057, 39.979
- 47, 89.759, 42.299
- 56, 58.417, 38.611
- 60, 47.928, 37.478

64, 37.909, 36.632

69, 28.508, 36.050

74, 19.776, 35.687

79, 11.710, 35.489

84, 4.276, 35.360

89, 2.577, 215.786

Harmonies

Complementary

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



50, 79.148, 41.331



70, 37.748, 224.208

Rectangle

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



50, 79.148, 41.331



50, 79.148, 91.331



50, 79.148, 221.331



50, 79.148, 271.331

Sweetspot

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



50, 79.145, 41.333



85, 22.312, 35.689



51, 89.135, 334.324



43, 15.349, 35.795



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 79.145, 41.333



55, 101.183, 42.126



68, 68.502, 77.074



43, 4.018, 35.410



37, 75.234, 42.623



7, 21.388, 29.185

Inverse Universe

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



70, 37.748, 224.208



79, 43.547, 228.671



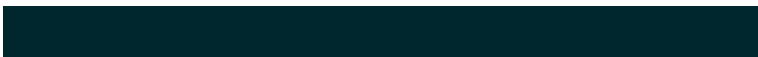
44, 72.821, 290.979



45, 3.783, 215.726



55, 32.607, 227.791



13, 13.157, 221.687

Previews

White Background



This preview shows how the CIELCh color 50, 79.148, 41.331 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 50, 79.148, 41.331 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 50, 79.148, 41.331

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.148, 41.331.



This preview shows how white text looks on a background with the CIELCh color 50, 79.148, 41.331.

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

50, 79.148, 41.331

Protanopia

50, 42.015, 95.524

Tritanopia

50, 71.946, 30.926

Trichromacy



Original Color
50, 79.148, 41.331

Protanomaly
48, 48.399, 63.253

Tritanomaly
50, 74.649, 35.251

Monochromacy



Original Color
50, 79.148, 41.331

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 27.530, 36.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.148, 41.331 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(218, 61, 30)` looks like.

```
.text, #text, p{  
    color:rgb(218, 61, 30)  
}
```

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(218, 61, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 61, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.148, 41.331 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(218, 61, 30) }
```

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

```
.border{ border-color:rgb(218, 61, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 61, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 61, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 61, 30);  
box-shadow:4px 4px 4px 4px rgb(218, 61,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.148, 41.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 61, 30) }
```

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

```
.background{ background-color: rgb(218, 61,  
30) }
```

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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