

Converting Colors

CIELCh(48, 65.151, 41.172)

Have a look what the booklet for
CIELCh(48, 65.151, 41.172) contains.

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Color

CIELCh(48, 65.048, 41.423)

Conversions

Conversions Part 1

Format	Color
Hex	C6482B
RGB	198, 72, 43
RGB Percent	78%, 28%, 17%
CMY	0.2238, 0.7179, 0.8316
CMYK	0.00, 0.64, 0.78, 0.22
HSL	11°, 64%, 47%
HSV	11°, 78%, 78%
XYZ	26.0152, 16.7945, 4.1503
YIQ	106.3680, 84.4050, 17.6930

Conversions

Conversions Part 2

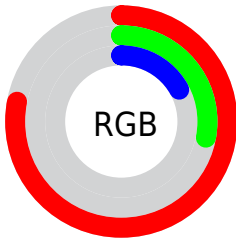
Format	Color
RYB	198, 79, 43
Decimal	12994603
CIELab	48.00, 48.78, 43.04
CIElCh	48, 65.048, 41.423
Yxy	16.7945, 0.5540, 0.3576
Android (android.graphics.Color)	4291184683 (0xFFC6482B)
YUV	106.3680, -31.2404, 80.3613
Hunter-Lab	40.9810, 41.5967, 22.6823

Details

The CIELCh color **48, 65.048, 41.423** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **64, 33.818, 226.134**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 62.424, 41.907**, and **28, 63.959, 40.061** is the 20% darker color. If you saturate the color by 10%, you get **45, 74.158, 42.435**, and if you desaturate by 10%, it is **51, 55.297, 40.298**.

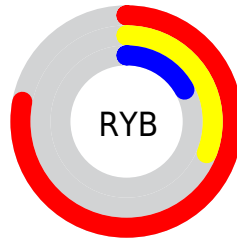
Distribution



Red (78%)

Green (28%)

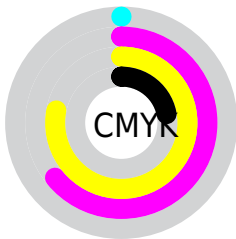
Blue (17%)



Red (78%)

Yellow (31%)

Blue (17%)

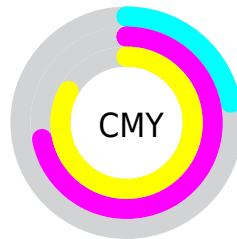


Cyan (0%)

Magenta (64%)

Yellow (78%)

Black (22%)



Cyan (22%)

Magenta (72%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 65.048, 41.423 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, 65.048, 41.423 by changing the saturation by 10% instead.

■ 48, 65.048, 41.423

■ 48, 65.048, 41.423

■ 100, 65.048,
41.423

■ 38, 65.048, 41.423

■ 68, 65.048, 41.423

■ 28, 65.048, 41.423

■ 78, 65.048, 41.423

■ 18, 65.048, 41.423

■ 88, 65.048, 41.423

■ 8, 65.048, 41.423

■ 98, 65.048, 41.423

■ 0, 65.048, 41.423

■ 48, 65.048, 41.423

■ 48, 65.048, 41.423

■ 45, 74.158, 42.435

■ 51, 55.297, 40.298

■ 44, 81.392, 42.851

■ 55, 45.640, 39.342

43, 82.559, 43.009

58, 36.399, 38.633

63, 27.718, 38.165

67, 19.647, 37.902

71, 12.187, 37.797

76, 5.305, 37.782

81, 1.044, 218.545

85, 6.913, 218.318

Harmonies

Complementary

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



48, 65.048, 41.423



64, 33.818, 226.134

Rectangle

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



48, 65.048, 41.423



48, 65.048, 91.423



48, 65.048, 221.423



48, 65.048, 271.423

Sweetspot

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



48, 65.046, 41.426



87, 19.210, 37.833



48, 77.747, 335.270



44, 13.501, 37.880



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, 65.046, 41.426



57, 96.163, 42.722



65, 59.762, 81.573



40, 3.654, 37.785



36, 71.191, 43.310



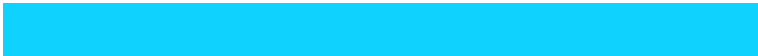
5, 14.253, 30.296

Inverse Universe

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



64, 33.818, 226.134



78, 43.316, 231.336



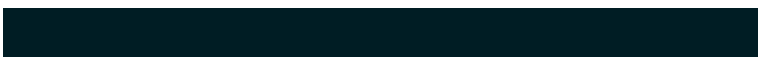
42, 63.820, 290.129



41, 3.446, 218.295



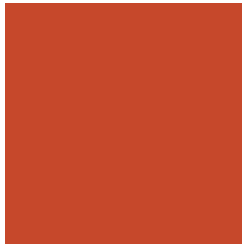
51, 31.282, 232.370



9, 11.209, 223.952

Previews

White Background



This preview shows how the CIELCh color 48, 65.048, 41.423 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, 65.048, 41.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

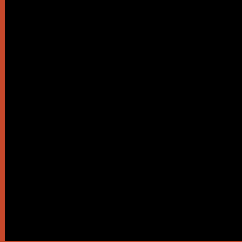
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 65.048, 41.423

Background



This preview shows how black text looks on a background with the CIELCh color 48, 65.048, 41.423.



This preview shows how white text looks on a background with the CIELCh color 48, 65.048, 41.423.

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, 65.048, 41.423

Protanopia

48, 34.630, 96.055

Deuteranopia

48, 45.767, 82.209



Tritanopia
48, 58.643, 27.018

Trichromacy



Original Color
48, 65.048, 41.423

Protanomaly
47, 39.530, 64.372

Deuteranomaly
47, 49.336, 62.352

Tritanomaly
48, 60.956, 32.863

Monochromacy



Original Color
48, 65.048, 41.423

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 21.807, 39.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 65.048, 41.423 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(198, 72, 43)` looks like.

```
.text, #text, p{  
    color:rgb(198, 72, 43)  
}
```

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(198, 72, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 72, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 65.048, 41.423 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(198, 72, 43) }
```

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

```
.border{ border-color:rgb(198, 72, 43) }
```

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

Here you see how a box with a 4 pixel rgb(198, 72, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 72, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 72, 43);  
box-shadow:4px 4px 4px 4px rgb(198, 72,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 65.048, 41.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 72, 43) }
```

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

```
.background{ background-color: rgb(198, 72,  
43) }
```

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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