

Converting Colors

CIELCh(50, 74.802, 44.975)

Have a look what the booklet for
CIELCh(50, 74.802, 44.975) contains.

CIELCh(50, 75.196, 44.907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 75.196, 44.907)

Conversions

Conversions Part 1

Format	Color
Hex	D3471B
RGB	211, 71, 27
RGB Percent	83%, 28%, 11%
CMY	0.1728, 0.7217, 0.8943
CMYK	0.00, 0.66, 0.87, 0.17
HSL	14°, 77%, 47%
HSV	14°, 87%, 83%
XYZ	29.2940, 18.4187, 3.0451
YIQ	107.8440, 97.5640, 15.9960

Conversions

Conversions Part 2

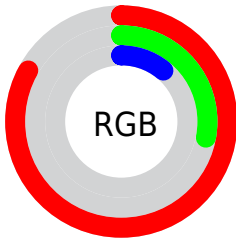
Format	Color
R _Y B	211, 85, 27
Decimal	13846299
CIE Lab	50.00, 53.26, 53.09
CIE LCh	50, 75.196, 44.907
Yxy	18.4187, 0.5771, 0.3629
Android (android.graphics.Color)	4292036379 (0xFFD3471B)
YUV	107.8440, -39.8561, 90.4678
Hunter-Lab	42.9170, 46.7347, 25.8350

Details

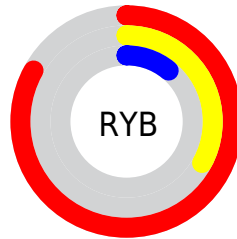
The CIELCh color **50, 75.196, 44.907** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **64, 37.480, 238.966**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.825, 46.854**, and **30, 69.064, 39.363** is the 20% darker color. If you saturate the color by 10%, you get **48, 82.845, 44.608**, and if you desaturate by 10%, it is **53, 65.655, 44.526**.

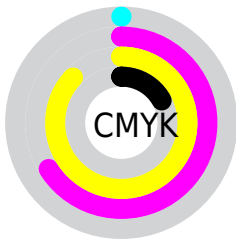
Distribution



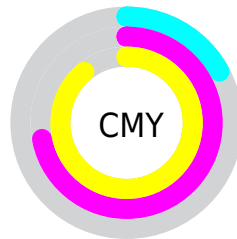
- Red (83%)
- Green (28%)
- Blue (11%)



- Red (83%)
- Yellow (33%)
- Blue (11%)



- Cyan (0%)
- Magenta (66%)
- Yellow (87%)
- Black (17%)



- Cyan (17%)
- Magenta (72%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 75.196, 44.907 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, 75.196, 44.907 by changing the saturation by 10% instead.

■ 50, 75.196, 44.907

■ 50, 75.196, 44.907

■ 100, 75.196,
44.907

■ 40, 75.196, 44.907

■ 70, 75.196, 44.907

■ 30, 75.196, 44.907

■ 80, 75.196, 44.907

■ 20, 75.196, 44.907

■ 90, 75.196, 44.907

■ 10, 75.196, 44.907

■ 0, 75.196, 44.907

■ 50, 75.196, 44.907

■ 50, 75.196, 44.907

■ 48, 82.845, 44.608

■ 53, 65.655, 44.526

■ 47, 84.778, 44.588

■ 56, 55.583, 43.984

■ 60, 45.683, 43.542

64, 36.263, 43.279

68, 27.446, 43.199

72, 19.262, 43.275

77, 11.698, 43.472

81, 4.712, 43.718

86, 1.747, 224.543

Harmonies

Complementary

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



50, 75.196, 44.907



64, 37.480, 238.966

Rectangle

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



50, 75.196, 44.907



50, 75.196, 94.907



50, 75.196, 224.907



50, 75.196, 274.907

Sweetspot

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



50, 75.193, 44.909



86, 21.376, 43.289



49, 82.190, 338.741



44, 14.700, 43.242



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, 75.193, 44.909



57, 98.196, 44.292



69, 68.824, 84.174



42, 3.708, 43.670



38, 71.255, 45.032



6, 17.404, 32.947

Inverse Universe

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



64, 37.480, 238.966



73, 45.452, 244.977



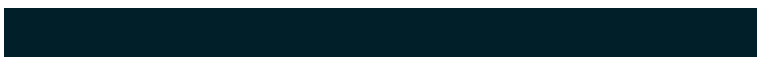
38, 81.673, 296.182



43, 3.506, 224.646



50, 33.084, 243.638



10, 12.262, 233.708

Previews

White Background



This preview shows how the CIELCh color 50, 75.196, 44.907 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 75.196, 44.907 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, 75.196, 44.907

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.196, 44.907.



This preview shows how white text looks on a background with the CIELCh color 50, 75.196, 44.907.

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, 75.196, 44.907

Protanopia

50, 44.688, 95.675

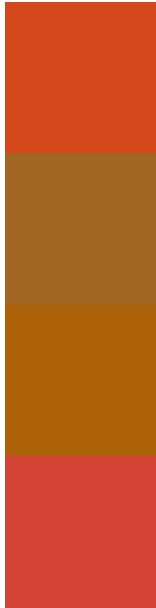
Deuteranopia

50, 56.747, 83.620



Tritanopia
50, 64.650, 28.592

Trichromacy



Original Color
50, 75.196, 44.907

Protanomaly
49, 49.268, 67.895

Deuteranomaly
49, 60.347, 65.565

Tritanomaly
50, 68.492, 35.702

Monochromacy



Original Color
50, 75.196, 44.907

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 25.407, 43.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.196, 44.907 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, 71, 27)` looks like.

```
.text, #text, p{  
    color:rgb(211, 71, 27)  
}
```

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, 71, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 71, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.196, 44.907 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, 71, 27) }
```

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

```
.border{ border-color:rgb(211, 71, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 71, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 71, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 71, 27);  
box-shadow:4px 4px 4px 4px rgb(211, 71,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.196, 44.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 71, 27) }
```

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

```
.background{ background-color: rgb(211, 71,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor