

Converting Colors

CIELCh(47, 82.675, 44.518)

Have a look what the booklet for
CIELCh(47, 82.675, 44.518) contains.

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Color

CIELCh(47, 82.842, 44.591)

Conversions

Conversions Part 1

Format	Color
Hex	D13504
RGB	209, 53, 4
RGB Percent	82%, 21%, 2%
CMY	0.1819, 0.7936, 0.9858
CMYK	0.00, 0.75, 0.98, 0.18
HSL	14°, 97%, 42%
HSV	14°, 98%, 82%
XYZ	27.4616, 16.0195, 1.7489
YIQ	94.0580, 108.7050, 17.8330

Conversions

Conversions Part 2

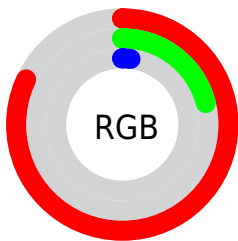
Format	Color
RYB	209, 68, 4
Decimal	13710596
CIELab	47.00, 58.99, 58.16
CIElCh	47, 82.842, 44.591
Yxy	16.0195, 0.6072, 0.3542
Android (android.graphics.Color)	4291900676 (0xFFD13504)
YUV	94.0580, -44.3986, 100.8041
Hunter-Lab	40.0243, 52.4305, 25.4263

Details

The CIELCh color **47, 82.842, 44.591** 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 **61, 38.712, 243.616**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.001, 46.013**, and **29, 67.930, 39.251** is the 20% darker color. If you saturate the color by 10%, you get **47, 84.058, 44.604**, and if you desaturate by 10%, it is **49, 75.422, 44.915**.

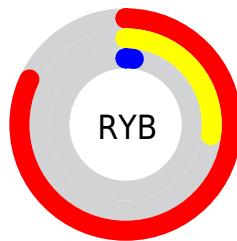
Distribution



Red (82%)

Green (21%)

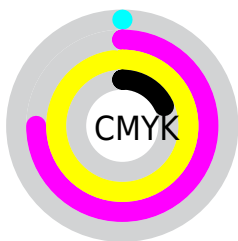
Blue (2%)



Red (82%)

Yellow (27%)

Blue (2%)

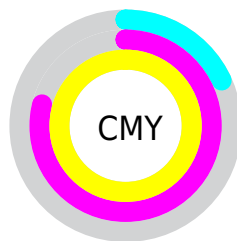


Cyan (0%)

Magenta (75%)

Yellow (98%)

Black (18%)



Cyan (18%)

Magenta (79%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 82.842, 44.591 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 47, 82.842, 44.591 by changing the saturation by 10% instead.

 47, 82.842, 44.591

 47, 82.842, 44.591

 100, 82.842,
44.591

 37, 82.842, 44.591

 67, 82.842, 44.591

 27, 82.842, 44.591

 77, 82.842, 44.591

 17, 82.842, 44.591

 87, 82.842, 44.591

 7, 82.842, 44.591

 97, 82.842, 44.591

 0, 82.842, 44.591

 47, 82.842, 44.591

 47, 82.842, 44.591

 47, 84.058, 44.604

 49, 75.422, 44.915

 52, 66.083, 44.572

■ 55, 56.113, 44.029

■ 59, 46.267, 43.572

■ 63, 36.876, 43.289

■ 67, 28.074, 43.191

■ 71, 19.900, 43.252

■ 75, 12.342, 43.438

■ 80, 5.362, 43.687

Harmonies

Complementary

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



47, 82.842, 44.591



61, 38.712, 243.616

Rectangle

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



47, 82.842, 44.591



47, 82.842, 94.591



47, 82.842, 224.591



47, 82.842, 274.591

Sweetspot

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



47, 82.839, 44.593



85, 24.143, 43.238



47, 82.806, 340.146



43, 16.863, 43.201



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 82.839, 44.593



57, 98.200, 44.289



67, 71.286, 82.033



42, 3.708, 43.660



38, 71.258, 45.029



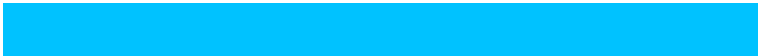
6, 17.404, 32.941

Inverse Universe

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



61, 38.712, 243.616



73, 45.448, 244.959



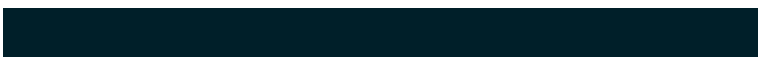
33, 91.840, 299.670



43, 3.506, 224.635



50, 33.082, 243.620



10, 12.262, 233.693

Previews

White Background



This preview shows how the CIELCh color 47, 82.842, 44.591 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 47, 82.842, 44.591 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 47, 82.842, 44.591

Background



This preview shows how black text looks on a background with the CIELCh color 47, 82.842, 44.591.



This preview shows how white text looks on a background with the CIELCh color 47, 82.842, 44.591.

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

47, 82.842, 44.591

Protanopia

47, 47.566, 95.989

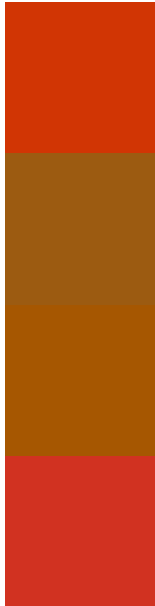
Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 72.452, 32.321

Trichromacy



Original Color
47, 82.842, 44.591

Protanomaly
45, 53.555, 66.322

Deuteranomaly
46, 60.939, 62.813

Tritanomaly
47, 76.948, 38.283

Monochromacy



Original Color
47, 82.842, 44.591

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 30.314, 43.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 82.842, 44.591 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(209, 53, 4)` looks like.

```
.text, #text, p{  
    color:rgb(209, 53, 4)  
}
```

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(209, 53, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 53, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 82.842, 44.591 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(209, 53, 4) }
```

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

```
.border{ border-color:rgb(209, 53, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 53, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 53, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 53, 4);  
box-shadow:4px 4px 4px 4px rgb(209, 53, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 82.842, 44.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 53, 4) }
```

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

```
.background{ background-color: rgb(209, 53,  
4) }
```

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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