

Converting Colors

CIELCh(49, 85.159, 44.534)

Have a look what the booklet for
CIELCh(49, 85.159, 44.534) contains.

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Color

CIELCh(49, 84.985, 44.620)

Conversions

Conversions Part 1

Format	Color
Hex	D93805
RGB	217, 56, 5
RGB Percent	85%, 22%, 2%
CMY	0.1490, 0.7803, 0.9803
CMYK	0.00, 0.74, 0.98, 0.15
HSL	14°, 95%, 44%
HSV	14°, 98%, 85%
XYZ	30.0610, 17.5941, 1.9555
YIQ	98.3250, 112.3270, 18.2710

Conversions

Conversions Part 2

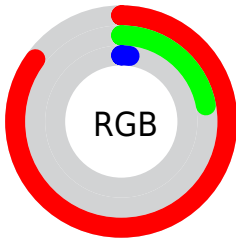
Format	Color
RYB	217, 72, 5
Decimal	14235653
CIELab	49.00, 60.49, 59.69
CIELCh	49, 84.985, 44.620
Yxy	17.5941, 0.6059, 0.3546
Android (android.graphics.Color)	4292425733 (0xFFD93805)
YUV	98.3250, -46.0092, 104.0780
Hunter-Lab	41.9453, 54.5218, 26.5976

Details

The CIELCh color **49, 84.985, 44.620** 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, 39.882, 243.804**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 74.126, 46.807**, and **31, 70.559, 39.496** is the 20% darker color. If you saturate the color by 10%, you get **49, 86.598, 44.593**, and if you desaturate by 10%, it is **51, 77.314, 44.992**.

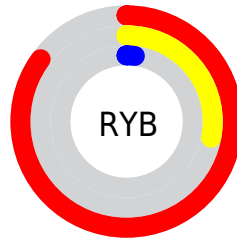
Distribution



Red (85%)

Green (22%)

Blue (2%)



Red (85%)

Yellow (28%)

Blue (2%)

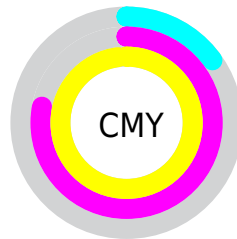


Cyan (0%)

Magenta (74%)

Yellow (98%)

Black (15%)



Cyan (15%)

Magenta (78%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 84.985, 44.620 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 49, 84.985, 44.620 by changing the saturation by 10% instead.

 49, 84.985, 44.620

 49, 84.985, 44.620

 100, 84.985,
44.620

 39, 84.985, 44.620

 69, 84.985, 44.620

 29, 84.985, 44.620

 79, 84.985, 44.620

 19, 84.985, 44.620

 89, 84.985, 44.620

 9, 84.985, 44.620

 99, 84.985, 44.620

 0, 84.985, 44.620

 49, 84.985, 44.620

 49, 84.985, 44.620

 49, 86.598, 44.593

 51, 77.314, 44.992

 54, 67.632, 44.651

■ 57, 57.339, 44.124

■ 61, 47.195, 43.687

■ 65, 37.531, 43.425

■ 69, 28.480, 43.344

■ 74, 20.079, 43.422

■ 78, 12.313, 43.623

■ 83, 5.141, 43.879

Harmonies

Complementary

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



49, 84.985, 44.620



64, 39.882, 243.804

Rectangle

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



49, 84.985, 44.620



49, 84.985, 94.620



49, 84.985, 224.620



49, 84.985, 274.620

Sweetspot

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



49, 84.982, 44.622



85, 24.125, 43.401



49, 85.251, 340.104



43, 16.851, 43.359



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 84.982, 44.622



57, 98.130, 44.344



70, 73.321, 82.094



44, 3.854, 43.838



39, 72.854, 45.022



7, 20.429, 34.019

Inverse Universe

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



64, 39.882, 243.804



73, 45.523, 245.288



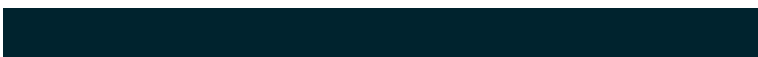
35, 94.274, 299.579



45, 3.644, 224.830



51, 33.888, 244.057



12, 13.204, 235.195

Previews

White Background



This preview shows how the CIELCh color 49, 84.985, 44.620 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 49, 84.985, 44.620 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 49, 84.985, 44.620

Background



This preview shows how black text looks on a background with the CIELCh color 49, 84.985, 44.620.



This preview shows how white text looks on a background with the CIELCh color 49, 84.985, 44.620.

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

49, 84.985, 44.620

Protanopia

49, 48.954, 95.093

Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 74.323, 31.886

Trichromacy



Original Color
49, 84.985, 44.620

Protanomaly
47, 55.405, 66.166

Deuteranomaly
47, 62.631, 62.747

Tritanomaly
49, 79.042, 38.055

Monochromacy



Original Color
49, 84.985, 44.620

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 30.774, 44.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 84.985, 44.620 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(217, 56, 5)` looks like.

```
.text, #text, p{  
    color:rgb(217, 56, 5)  
}
```

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(217, 56, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 56, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 84.985, 44.620 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(217, 56, 5) }
```

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

```
.border{ border-color:rgb(217, 56, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 56, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 56, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 56, 5);  
box-shadow:4px 4px 4px 4px rgb(217, 56, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 84.985, 44.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 56, 5) }
```

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

```
.background{ background-color: rgb(217, 56,  
5) }
```

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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