

Converting Colors

CIELCh(49, 89.666, 43.226)

Have a look what the booklet for
CIELCh(49, 89.666, 43.226) contains.

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Color

CIELCh(49, 89.624, 43.267)

Conversions

Conversions Part 1

Format	Color
Hex	DF2E01
RGB	223, 46, 1
RGB Percent	87%, 18%, 0%
CMY	0.1263, 0.8204, 0.9968
CMYK	0.00, 0.79, 1.00, 0.13
HSL	12°, 99%, 44%
HSV	12°, 100%, 87%
XYZ	31.3417, 17.5941, 1.7675
YIQ	93.7930, 119.9370, 23.5290

Conversions

Conversions Part 2

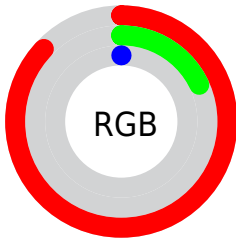
Format	Color
RYB	223, 57, 1
Decimal	14626305
CIELab	49.00, 65.26, 61.43
CIElCh	49, 89.624, 43.267
Yxy	17.5941, 0.6181, 0.3470
Android (android.graphics.Color)	4292816385 (0xFFDF2E01)
YUV	93.7930, -45.7469, 113.3145
Hunter-Lab	41.9453, 59.9718, 26.8633

Details

The CIELCh color **49, 89.624, 43.267** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **67, 39.747, 236.528**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 76.193, 45.521**, and **32, 72.766, 39.662** is the 20% darker color. If you saturate the color by 10%, you get **49, 89.878, 43.287**, and if you desaturate by 10%, it is **51, 82.223, 43.225**.

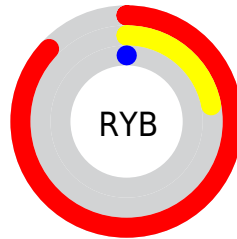
Distribution



Red (87%)

Green (18%)

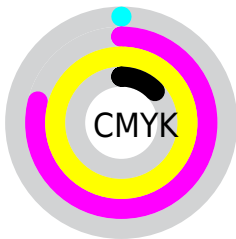
Blue (0%)



Red (87%)

Yellow (22%)

Blue (0%)

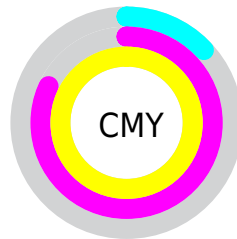


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 89.624, 43.267 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, 89.624, 43.267 by changing the saturation by 10% instead.

 49, 89.624, 43.267

 49, 89.624, 43.267

 100, 89.624,
43.267

 39, 89.624, 43.267

 69, 89.624, 43.267

 29, 89.624, 43.267

 79, 89.624, 43.267

 19, 89.624, 43.267

 89, 89.624, 43.267

 9, 89.624, 43.267

 99, 89.624, 43.267

 0, 89.624, 43.267

 49, 89.624, 43.267

 49, 89.624, 43.267

 49, 89.878, 43.287

 51, 82.223, 43.225

 54, 72.511, 42.501

■ 57, 61.877, 41.540

■ 61, 51.259, 40.693

■ 65, 41.070, 40.069

■ 69, 31.489, 39.674

■ 74, 22.581, 39.479

■ 79, 14.347, 39.441

■ 84, 6.754, 39.501

Harmonies

Complementary

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



49, 89.624, 43.267



67, 39.747, 236.528

Rectangle

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



49, 89.624, 43.267



49, 89.624, 93.267



49, 89.624, 223.267



49, 89.624, 273.267

Sweetspot

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



49, 89.621, 43.269



83, 25.570, 39.485



51, 89.184, 338.265



42, 17.758, 39.551



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, 89.621, 43.269



56, 99.774, 43.109



69, 74.674, 78.521



44, 4.001, 39.502



39, 74.954, 43.671



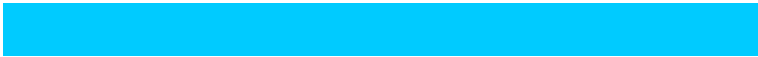
8, 22.301, 32.366

Inverse Universe

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



67, 39.747, 236.528



76, 44.092, 237.007



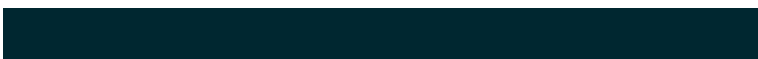
37, 93.761, 298.658



46, 3.773, 220.154



54, 33.294, 235.977



13, 13.543, 228.798

Previews

White Background



This preview shows how the CIELCh color 49, 89.624, 43.267 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, 89.624, 43.267 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, 89.624, 43.267

Background



This preview shows how black text looks on a background with the CIELCh color 49, 89.624, 43.267.



This preview shows how white text looks on a background with the CIELCh color 49, 89.624, 43.267.

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, 89.624, 43.267

Protanopia

49, 48.575, 95.704

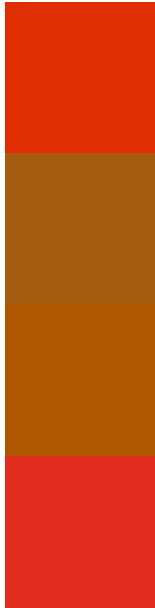
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 80.764, 34.314

Trichromacy



Original Color
49, 89.624, 43.267

Protanomaly
47, 56.559, 63.858

Deuteranomaly
47, 64.298, 60.519

Tritanomaly
49, 84.600, 38.612

Monochromacy



Original Color
49, 89.624, 43.267

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 33.602, 39.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 89.624, 43.267 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(223, 46, 1)` looks like.

```
.text, #text, p{  
    color:rgb(223, 46, 1)  
}
```

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(223, 46, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 46, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 89.624, 43.267 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(223, 46, 1) }
```

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

```
.border{ border-color:rgb(223, 46, 1) }
```

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

Here you see how a box with a 4 pixel rgb(223, 46, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 46, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 46, 1);  
box-shadow:4px 4px 4px 4px rgb(223, 46, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 89.624, 43.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 46, 1) }
```

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

```
.background{ background-color: rgb(223, 46,  
1) }
```

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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