

Converting Colors

CIELCh(49, 73.301, 45.262)

Have a look what the booklet for
CIELCh(49, 73.301, 45.262) contains.

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Color

CIELCh(49, 73.223, 45.259)

Conversions

Conversions Part 1

Format	Color
Hex	CE471B
RGB	206, 71, 27
RGB Percent	81%, 28%, 11%
CMY	0.1939, 0.7230, 0.8955
CMYK	0.00, 0.66, 0.87, 0.19
HSL	15°, 77%, 46%
HSV	15°, 87%, 81%
XYZ	27.7537, 17.5941, 2.9485
YIQ	106.3490, 94.5840, 14.9360

Conversions

Conversions Part 2

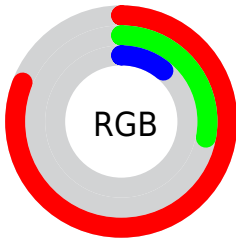
Format	Color
RYB	206, 85, 27
Decimal	13518619
CIELab	49.00, 51.54, 52.01
CIElCh	49, 73.223, 45.259
Yxy	17.5941, 0.5747, 0.3643
Android (android.graphics.Color)	4291708699 (0xFFCE471B)
YUV	106.3490, -39.1191, 87.3939
Hunter-Lab	41.9453, 44.7029, 25.1939

Details

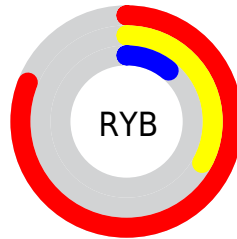
The CIELCh color **49, 73.223, 45.259** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **62, 36.865, 240.129**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 67.327, 46.743**, and **29, 66.975, 39.402** is the 20% darker color. If you saturate the color by 10%, you get **47, 80.787, 44.912**, and if you desaturate by 10%, it is **52, 63.876, 44.947**.

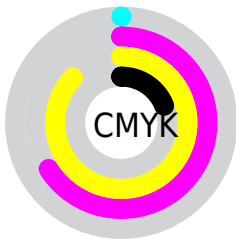
Distribution



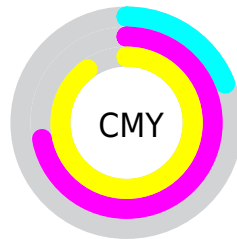
- Red (81%)
- Green (28%)
- Blue (11%)



- Red (81%)
- Yellow (33%)
- Blue (11%)



- Cyan (0%)
- Magenta (66%)
- Yellow (87%)
- Black (19%)



- Cyan (19%)
- Magenta (72%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 73.223, 45.259 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, 73.223, 45.259 by changing the saturation by 10% instead.

 49, 73.223, 45.259

 49, 73.223, 45.259

 100, 73.223,
45.259

 39, 73.223, 45.259

 69, 73.223, 45.259

 29, 73.223, 45.259

 79, 73.223, 45.259

 19, 73.223, 45.259

 89, 73.223, 45.259

 9, 73.223, 45.259

 99, 73.223, 45.259

 0, 73.223, 45.259

 49, 73.223, 45.259

 49, 73.223, 45.259

 47, 80.787, 44.912

 52, 63.876, 44.947

 46, 82.840, 44.882

 55, 54.043, 44.479

■ 59, 44.393, 44.104

■ 62, 35.217, 43.900

■ 66, 26.630, 43.870

■ 71, 18.660, 43.991

■ 75, 11.290, 44.226

■ 79, 4.481, 44.504

■ 84, 1.819, 225.344

Harmonies

Complementary

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



49, 73.223, 45.259



62, 36.865, 240.129

Rectangle

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



49, 73.223, 45.259



49, 73.223, 95.259



49, 73.223, 225.259



49, 73.223, 275.259

Sweetspot

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



49, 73.220, 45.261



86, 21.311, 44.004



48, 80.534, 338.703



44, 14.655, 43.944



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, 73.220, 45.261



57, 97.890, 44.532



68, 67.371, 84.233



41, 3.623, 44.445



37, 70.200, 45.323



6, 15.655, 33.511

Inverse Universe

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



62, 36.865, 240.129



73, 45.787, 246.391



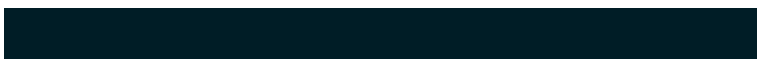
37, 79.779, 296.074



42, 3.428, 225.478



49, 32.922, 244.968



9, 11.786, 234.334

Previews

White Background



This preview shows how the CIELCh color 49, 73.223, 45.259 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, 73.223, 45.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

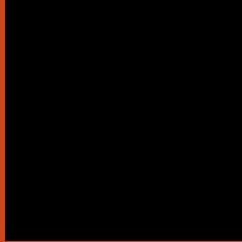
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 73.223, 45.259

Background



This preview shows how black text looks on a background with the CIELCh color 49, 73.223, 45.259.



This preview shows how white text looks on a background with the CIELCh color 49, 73.223, 45.259.

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



Trichromacy



Original Color
49, 73.223, 45.259

Protanomaly
48, 48.332, 68.333

Tritanomaly
49, 66.023, 35.667

Monochromacy



Original Color
49, 73.223, 45.259

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 25.089, 43.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 73.223, 45.259 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(206, 71, 27)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 71, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 71, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 73.223, 45.259 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(206, 71, 27) }
```

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

```
.border{ border-color:rgb(206, 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(206, 71, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 71, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 71, 27);  
box-shadow:4px 4px 4px 4px rgb(206, 71,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 73.223, 45.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 71, 27) }
```

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

```
.background{ background-color: rgb(206, 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](#).

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