

Converting Colors

CIELCh(49, 66.793, 30.502)

Have a look what the booklet for
CIELCh(49, 66.793, 30.502) contains.

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Color

CIELCh(49, 66.476, 30.467)

Conversions

Conversions Part 1

Format	Color
Hex	D23F3F
RGB	210, 63, 63
RGB Percent	82%, 25%, 25%
CMY	0.1768, 0.7532, 0.7532
CMYK	0.00, 0.70, 0.70, 0.18
HSL	360°, 62%, 53%
HSV	360°, 70%, 82%
XYZ	29.2235, 17.5941, 6.5494
YIQ	106.9530, 87.6120, 31.1640

Conversions

Conversions Part 2

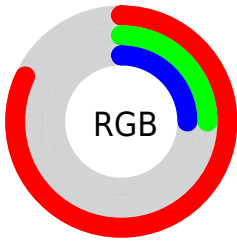
Format	Color
R_{YB}	210, 63, 63
Decimal	13778751
CIE _{Lab}	49.00, 57.30, 33.71
CIE _{LCh}	49, 66.476, 30.467
Yxy	17.5941, 0.5476, 0.3297
Android (android.graphics.Color)	4291968831 (0xFFD23F3F)
YUV	106.9530, -21.6688, 90.3722
Hunter-Lab	41.9453, 50.9576, 20.1041

Details

The CIELCh color **49, 66.476, 30.467** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **77, 39.009, 196.664**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.055, 29.993**, and **30, 64.029, 32.946** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.260, 33.951**, and if you desaturate by 10%, it is **53, 56.110, 27.497**.

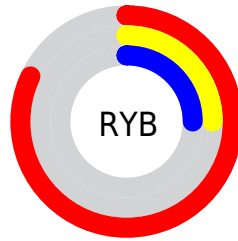
Distribution



Red (82%)

Green (25%)

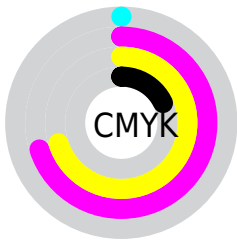
Blue (25%)



Red (82%)

Yellow (25%)

Blue (25%)

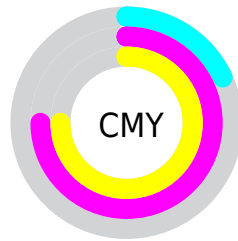


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (18%)



Cyan (18%)

Magenta (75%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 66.476, 30.467 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, 66.476, 30.467 by changing the saturation by 10% instead.

 49, 66.476, 30.467

 49, 66.476, 30.467

 100, 66.476,
30.467

 39, 66.476, 30.467

 69, 66.476, 30.467

 29, 66.476, 30.467

 79, 66.476, 30.467

 19, 66.476, 30.467

 89, 66.476, 30.467

 9, 66.476, 30.467

 99, 66.476, 30.467

 0, 66.476, 30.467

 49, 66.476, 30.467

 49, 66.476, 30.467

 46, 76.260, 33.951

 53, 56.110, 27.497

 45, 84.580, 37.416

 57, 45.644, 25.132

44, 90.301, 39.998

62, 35.411, 23.305

67, 25.639, 21.906

73, 16.459, 20.828

78, 7.920, 19.972

84, 0.020, 348.864

90, 7.290, 198.988

96, 14.055,
198.555

Harmonies

Complementary

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



49, 66.476, 30.467



77, 39.009, 196.664

Rectangle

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



49, 66.476, 30.467



49, 66.476, 80.467



49, 66.476, 210.467



49, 66.476, 260.467

Sweetspot

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



49, 66.473, 30.470



86, 20.312, 20.945



54, 86.452, 327.231



44, 13.897, 21.227



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, 66.473, 30.470



55, 93.369, 35.718



63, 54.129, 64.921



41, 4.460, 19.923



35, 76.453, 39.862



4, 20.018, 19.464

Inverse Universe

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



49, 66.473, 30.470



55, 93.369, 35.718



56, 43.340, 269.673



41, 4.460, 19.923



35, 76.453, 39.862



4, 20.018, 19.464

Previews

White Background



This preview shows how the CIELCh color 49, 66.476, 30.467 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, 66.476, 30.467 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, 66.476, 30.467

Background



This preview shows how black text looks on a background with the CIELCh color 49, 66.476, 30.467.



This preview shows how white text looks on a background with the CIELCh color 49, 66.476, 30.467.

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, 66.476, 30.467

Protanopia

49, 20.716, 96.182

Deuteranopia

49, 36.941, 79.421



Tritanopia
49, 65.762, 29.129

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 66.476, 30.467 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(210, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(210, 63, 63)  
}
```

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(210, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 66.476, 30.467 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(210, 63, 63) }
```

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

```
.border{ border-color:rgb(210, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(210, 63,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 66.476, 30.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 63, 63) }
```

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

```
.background{ background-color: rgb(210, 63,  
63) }
```

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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