

Converting Colors

CIELCh(49, 67.889, 39.788)

Have a look what the booklet for
CIELCh(49, 67.889, 39.788) contains.

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Color

CIELCh(49, 67.783, 39.733)

Conversions

Conversions Part 1

Format	Color
Hex	CD462D
RGB	205, 70, 45
RGB Percent	80%, 27%, 18%
CMY	0.1954, 0.7248, 0.8230
CMYK	0.00, 0.66, 0.78, 0.20
HSL	9°, 64%, 49%
HSV	9°, 78%, 80%
XYZ	27.9009, 17.5941, 4.4210
YIQ	107.5150, 88.4850, 20.8450

Conversions

Conversions Part 2

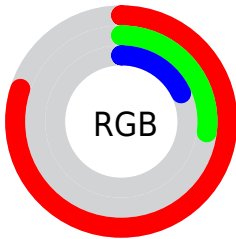
Format	Color
RYB	205, 75, 45
Decimal	13452845
CIELab	49.00, 52.13, 43.33
CIELCh	49, 67.783, 39.733
Yxy	17.5941, 0.5590, 0.3525
Android (android.graphics.Color)	4291642925 (0xFFCD462D)
YUV	107.5150, -30.8199, 85.4943
Hunter-Lab	41.9453, 45.3293, 23.1125

Details

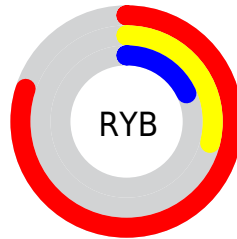
The CIELCh color **49, 67.783, 39.733** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **68, 34.976, 220.614**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 62.045, 40.665**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.187, 41.154**, and if you desaturate by 10%, it is **52, 57.672, 38.248**.

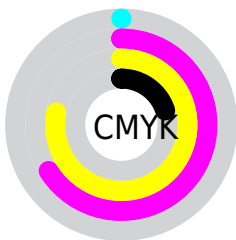
Distribution



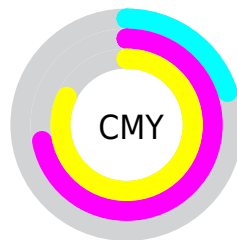
- Red (80%)
- Green (27%)
- Blue (18%)



- Red (80%)
- Yellow (29%)
- Blue (18%)



- Cyan (0%)
- Magenta (66%)
- Yellow (78%)
- Black (20%)



- Cyan (20%)
- Magenta (72%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 67.783, 39.733 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, 67.783, 39.733 by changing the saturation by 10% instead.

■ 49, 67.783, 39.733

■ 49, 67.783, 39.733

■ 100, 67.783,
39.733

■ 39, 67.783, 39.733

■ 69, 67.783, 39.733

■ 29, 67.783, 39.733

■ 79, 67.783, 39.733

■ 19, 67.783, 39.733

■ 89, 67.783, 39.733

■ 9, 67.783, 39.733

■ 99, 67.783, 39.733

■ 0, 67.783, 39.733

■ 49, 67.783, 39.733

■ 49, 67.783, 39.733

■ 46, 77.187, 41.154

■ 52, 57.672, 38.248

■ 45, 84.502, 41.931

■ 56, 47.619, 36.988

44, 85.838, 42.168

60, 37.965, 36.024

64, 28.874, 35.341

69, 20.411, 34.891

74, 12.584, 34.621

79, 5.367, 34.454

83, 1.287, 215.000

88, 7.432, 214.725

Harmonies

Complementary

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



49, 67.783, 39.733



68, 34.976, 220.614

Rectangle

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



49, 67.783, 39.733



49, 67.783, 89.733



49, 67.783, 219.733



49, 67.783, 269.733

Sweetspot

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



49, 67.780, 39.736



87, 19.607, 34.745



50, 81.653, 333.745



44, 13.781, 34.855



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, 67.780, 39.736



56, 97.381, 41.741



66, 60.596, 78.718



40, 3.807, 34.478



36, 72.881, 42.439



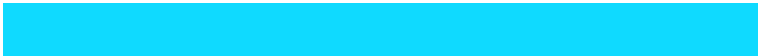
5, 16.383, 27.890

Inverse Universe

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



68, 34.976, 220.614



80, 43.274, 224.884



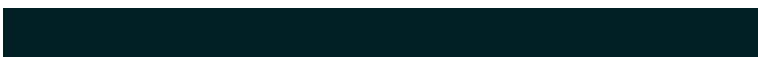
45, 62.109, 287.852



42, 3.586, 214.718



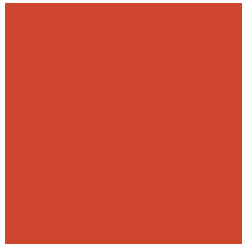
53, 31.550, 225.778



10, 11.861, 218.944

Previews

White Background



This preview shows how the CIELCh color 49, 67.783, 39.733 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, 67.783, 39.733 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, 67.783, 39.733

Background



This preview shows how black text looks on a background with the CIELCh color 49, 67.783, 39.733.



This preview shows how white text looks on a background with the CIELCh color 49, 67.783, 39.733.

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, 67.783, 39.733

Protanopia

49, 33.527, 96.022

Deuteranopia

49, 45.955, 81.815



Tritanopia
49, 61.997, 27.706

Trichromacy



Original Color
49, 67.783, 39.733

Protanomaly
48, 39.668, 62.207

Deuteranomaly
48, 50.050, 60.405

Tritanomaly
49, 63.865, 32.260

Monochromacy



Original Color
49, 67.783, 39.733

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 23.116, 35.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 67.783, 39.733 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(205, 70, 45)` looks like.

```
.text, #text, p{  
    color:rgb(205, 70, 45)  
}
```

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(205, 70, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 70, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 67.783, 39.733 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(205, 70, 45) }
```

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

```
.border{ border-color:rgb(205, 70, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 70, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 70, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 70, 45);  
box-shadow:4px 4px 4px 4px rgb(205, 70,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 67.783, 39.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 70, 45) }
```

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

```
.background{ background-color: rgb(205, 70,  
45) }
```

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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