

Converting Colors

CIELCh(49, 66.474, 40.874)

Have a look what the booklet for
CIELCh(49, 66.474, 40.874) contains.

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Color

CIELCh(49, 66.297, 40.829)

Conversions

Conversions Part 1

Format	Color
Hex	CB492D
RGB	203, 73, 45
RGB Percent	80%, 29%, 18%
CMY	0.2048, 0.7144, 0.8242
CMYK	0.00, 0.64, 0.78, 0.20
HSL	11°, 64%, 49%
HSV	11°, 78%, 80%
XYZ	27.4094, 17.5941, 4.4176
YIQ	108.6780, 86.4680, 18.8520

Conversions

Conversions Part 2

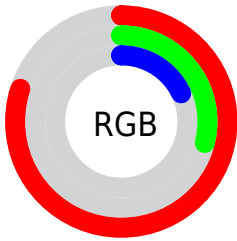
Format	Color
RYB	203, 79, 45
Decimal	13322541
CIELab	49.00, 50.16, 43.35
CIElCh	49, 66.297, 40.829
Yxy	17.5941, 0.5546, 0.3560
Android (android.graphics.Color)	4291512621 (0xFFCB492D)
YUV	108.6780, -31.3933, 82.7204
Hunter-Lab	41.9453, 43.2378, 23.1173

Details

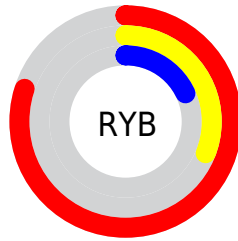
The CIELCh color **49, 66.297, 40.829** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **66, 34.437, 224.267**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 61.618, 41.583**, and **29, 65.534, 40.166** is the 20% darker color. If you saturate the color by 10%, you get **46, 75.633, 41.983**, and if you desaturate by 10%, it is **52, 56.321, 39.590**.

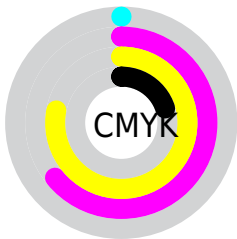
Distribution



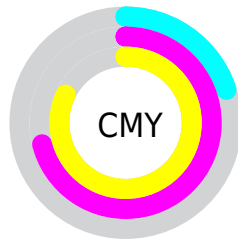
- Red (80%)
- Green (29%)
- Blue (18%)



- Red (80%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (20%)



- Cyan (20%)
- Magenta (71%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 66.297, 40.829 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, 66.297, 40.829 by changing the saturation by 10% instead.

 49, 66.297, 40.829

 49, 66.297, 40.829

 100, 66.297,
40.829

 39, 66.297, 40.829

 69, 66.297, 40.829

 29, 66.297, 40.829

 79, 66.297, 40.829

 19, 66.297, 40.829

 89, 66.297, 40.829

 9, 66.297, 40.829

 99, 66.297, 40.829

 0, 66.297, 40.829

 49, 66.297, 40.829

 49, 66.297, 40.829

 46, 75.633, 41.983

 52, 56.321, 39.590

 44, 82.998, 42.502

 56, 46.442, 38.541

44, 84.437, 42.700

60, 36.986, 37.756

64, 28.100, 37.224

68, 19.840, 36.905

73, 12.205, 36.751

78, 5.164, 36.687

83, 1.330, 217.309

87, 7.332, 217.143

Harmonies

Complementary

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



49, 66.297, 40.829



66, 34.437, 224.267

Rectangle

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



49, 66.297, 40.829



49, 66.297, 90.829



49, 66.297, 220.829



49, 66.297, 270.829

Sweetspot

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



49, 66.295, 40.832



87, 19.333, 36.817



49, 79.931, 334.479



44, 13.588, 36.885



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, 66.295, 40.832



57, 95.770, 42.371



66, 60.296, 80.196



40, 3.755, 36.697



36, 72.335, 43.003



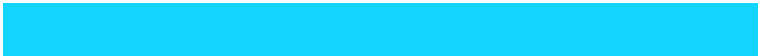
5, 16.204, 29.141

Inverse Universe

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



66, 34.437, 224.267



79, 43.172, 228.896



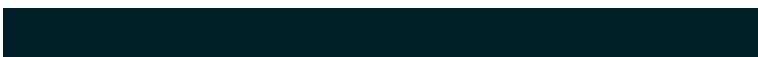
43, 63.060, 288.934



42, 3.539, 217.120



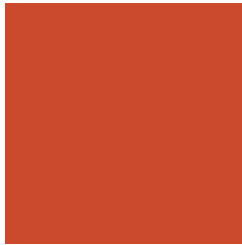
52, 31.571, 230.259



10, 11.783, 222.397

Previews

White Background



This preview shows how the CIELCh color 49, 66.297, 40.829 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, 66.297, 40.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

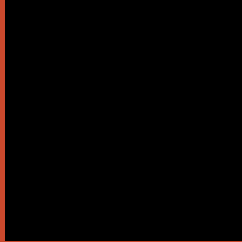
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 66.297, 40.829

Background



This preview shows how black text looks on a background with the CIELCh color 49, 66.297, 40.829.



This preview shows how white text looks on a background with the CIELCh color 49, 66.297, 40.829.

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, 66.297, 40.829

Protanopia

49, 34.047, 96.086

Deuteranopia

49, 45.955, 81.815



Tritanopia
49, 60.211, 27.222

Trichromacy



Original Color
49, 66.297, 40.829

Protanomaly
48, 39.735, 64.004

Deuteranomaly
48, 49.612, 61.427

Tritanomaly
49, 62.277, 32.420

Monochromacy



Original Color
49, 66.297, 40.829

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 22.398, 37.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 66.297, 40.829 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(203, 73, 45)` looks like.

```
.text, #text, p{  
    color:rgb(203, 73, 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(203, 73, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 73, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 66.297, 40.829 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(203, 73, 45) }
```

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

```
.border{ border-color:rgb(203, 73, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 73, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 73, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 73, 45);  
box-shadow:4px 4px 4px 4px rgb(203, 73,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 66.297, 40.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 73, 45) }
```

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

```
.background{ background-color: rgb(203, 73,  
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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