

Converting Colors

CIELCh(49, 61.055, 31.252)

Have a look what the booklet for
CIELCh(49, 61.055, 31.252) contains.

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Color

CIELCh(49, 60.848, 31.333)

Conversions

Conversions Part 1

Format	Color
Hex	CB4742
RGB	203, 71, 66
RGB Percent	80%, 28%, 26%
CMY	0.2040, 0.7216, 0.7412
CMYK	0.00, 0.65, 0.67, 0.20
HSL	2°, 57%, 53%
HSV	2°, 67%, 80%
XYZ	27.8623, 17.5941, 7.0808
YIQ	109.8980, 80.2770, 26.4290

Conversions

Conversions Part 2

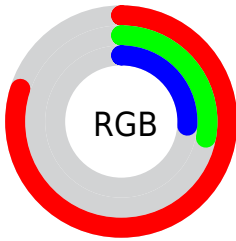
Format	Color
RYB	203, 71, 66
Decimal	13322050
CIELab	49.00, 51.97, 31.64
CIElCh	49, 60.848, 31.333
Yxy	17.5941, 0.5303, 0.3349
Android (android.graphics.Color)	4291512130 (0xFFCB4742)
YUV	109.8980, -21.6417, 81.6505
Hunter-Lab	41.9453, 45.1650, 19.3530

Details

The CIELCh color **49, 60.848, 31.333** 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 **73, 35.797, 201.221**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 56.426, 31.675**, and **29, 60.703, 31.203** is the 20% darker color. If you saturate the color by 10%, you get **46, 70.754, 34.253**, and if you desaturate by 10%, it is **53, 50.673, 28.896**.

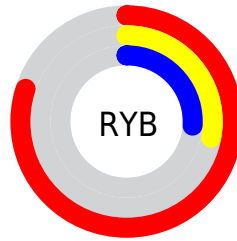
Distribution



Red (80%)

Green (28%)

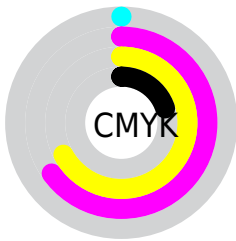
Blue (26%)



Red (80%)

Yellow (28%)

Blue (26%)

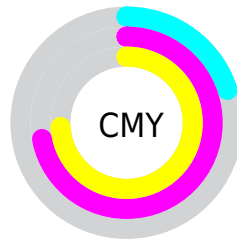


Cyan (0%)

Magenta (65%)

Yellow (67%)

Black (20%)



Cyan (20%)

Magenta (72%)

Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 60.848, 31.333 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, 60.848, 31.333 by changing the saturation by 10% instead.

 49, 60.848, 31.333

 49, 60.848, 31.333

 100, 60.848,
31.333

 39, 60.848, 31.333

 69, 60.848, 31.333

 29, 60.848, 31.333

 79, 60.848, 31.333

 19, 60.848, 31.333

 89, 60.848, 31.333

 9, 60.848, 31.333

 99, 60.848, 31.333

 0, 60.848, 31.333

 49, 60.848, 31.333

 49, 60.848, 31.333

 46, 70.754, 34.253

 53, 50.673, 28.896

 44, 79.675, 37.308

 57, 40.633, 26.974

43, 86.173, 39.686

62, 30.981, 25.499

43, 87.574, 40.342

67, 21.869, 24.379

72, 13.372, 23.526

78, 5.501, 22.836

83, 1.771, 202.781

89, 8.490, 202.173

94, 14.711,
201.876

Harmonies

Complementary

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



49, 60.848, 31.333



73, 35.797, 201.221

Rectangle

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



49, 60.848, 31.333



49, 60.848, 81.333



49, 60.848, 211.333



49, 60.848, 261.333

Sweetspot

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



49, 60.845, 31.336



87, 18.608, 23.741



53, 80.418, 328.764



44, 12.840, 23.978



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, 60.845, 31.336



56, 89.113, 35.679



63, 50.833, 69.969



40, 4.215, 22.964



34, 75.053, 40.296



4, 17.524, 21.247

Inverse Universe

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



73, 35.797, 201.221



89, 46.075, 201.563



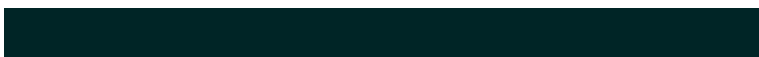
53, 43.985, 274.066



42, 3.970, 202.257



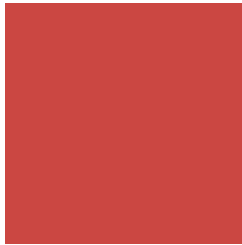
60, 34.545, 202.276



12, 12.985, 201.006

Previews

White Background



This preview shows how the CIELCh color 49, 60.848, 31.333 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 CIE LCh color 49, 60.848, 31.333 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, 60.848, 31.333

Background



This preview shows how black text looks on a background with the CIELCh color 49, 60.848, 31.333.



This preview shows how white text looks on a background with the CIELCh color 49, 60.848, 31.333.

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





Tritanopia
49, 59.313, 26.979

Trichromacy



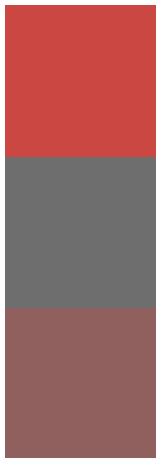
Original Color
49, 60.848, 31.333

Protanomaly
48, 29.154, 48.961

Deuteranomaly
48, 39.849, 51.555

Tritanomaly
49, 59.950, 28.515

Monochromacy



Original Color
49, 60.848, 31.333

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 21.330, 25.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 60.848, 31.333 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, 71, 66)` looks like.

```
.text, #text, p{  
    color:rgb(203, 71, 66)  
}
```

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, 71, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 71, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 60.848, 31.333 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, 71, 66) }
```

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

```
.border{ border-color:rgb(203, 71, 66) }
```

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

Here you see how a box with a 4 pixel rgb(203, 71, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 71, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 71, 66);  
box-shadow:4px 4px 4px 4px rgb(203, 71,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 60.848, 31.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 71, 66) }
```

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

```
.background{ background-color: rgb(203, 71,  
66) }
```

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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