

Converting Colors

CIELCh(49, 52.819, 32.211)

Have a look what the booklet for
CIELCh(49, 52.819, 32.211) contains.

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Color

CIELCh(49, 52.913, 32.275)

Conversions

Conversions Part 1

Format	Color
Hex	C15047
RGB	193, 80, 71
RGB Percent	76%, 31%, 28%
CMY	0.2422, 0.6854, 0.7208
CMYK	0.00, 0.58, 0.63, 0.24
HSL	4°, 50%, 52%
HSV	4°, 63%, 76%
XYZ	26.0806, 17.5941, 8.0135
YIQ	112.7610, 70.2370, 21.1570

Conversions

Conversions Part 2

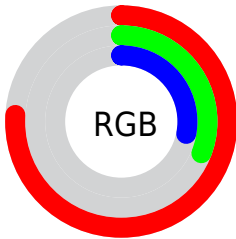
Format	Color
R_{YB}	193, 81, 71
Decimal	12668999
CIE _{Lab}	49.00, 44.74, 28.25
CIE _{LCh}	49, 52.913, 32.275
Yxy	17.5941, 0.5046, 0.3404
Android (android.graphics.Color)	4290859079 (0xFFC15047)
YUV	112.7610, -20.5882, 70.3696
Hunter-Lab	41.9453, 37.5830, 18.0345

Details

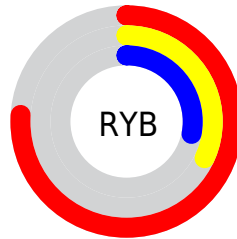
The CIELCh color **49, 52.913, 32.275** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **69, 32.009, 206.031**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 52.760, 32.086**, and **29, 52.775, 32.237** is the 20% darker color. If you saturate the color by 10%, you get **46, 62.652, 34.569**, and if you desaturate by 10%, it is **53, 43.234, 30.421**.

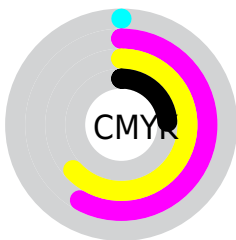
Distribution



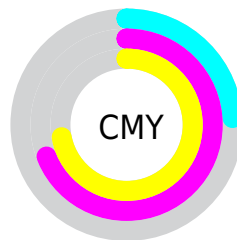
- Red (76%)
- Green (31%)
- Blue (28%)



- Red (76%)
- Yellow (32%)
- Blue (28%)



- Cyan (0%)
- Magenta (58%)
- Yellow (63%)
- Black (24%)



- Cyan (24%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 52.913, 32.275 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, 52.913, 32.275 by changing the saturation by 10% instead.

■ 49, 52.913, 32.275

■ 49, 52.913, 32.275

■ 100, 52.913,
32.275

■ 39, 52.913, 32.275

■ 69, 52.913, 32.275

■ 29, 52.913, 32.275

■ 79, 52.913, 32.275

■ 19, 52.913, 32.275

■ 89, 52.913, 32.275

■ 9, 52.913, 32.275

■ 99, 52.913, 32.275

■ 0, 52.913, 32.275

■ 49, 52.913, 32.275

■ 49, 52.913, 32.275

■ 46, 62.652, 34.569

■ 53, 43.234, 30.421

■ 43, 71.957, 37.134

■ 57, 33.899, 28.986

41, 79.753, 39.405

62, 25.069, 27.906

41, 83.844, 40.765

66, 16.821, 27.104

71, 9.177, 26.502

77, 2.117, 25.895

82, 4.399, 205.989

87, 10.422,
205.725

92, 16.007,
205.584

Harmonies

Complementary

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



49, 52.913, 32.275



69, 32.009, 206.031

Rectangle

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



49, 52.913, 32.275



49, 52.913, 82.275



49, 52.913, 212.275



49, 52.913, 262.275

Sweetspot

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



49, 52.911, 32.278



87, 16.876, 26.852



51, 72.100, 329.698



45, 11.850, 27.040



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, 52.911, 32.278



58, 81.340, 35.598



62, 45.911, 73.753



38, 3.901, 26.304



34, 72.718, 40.741



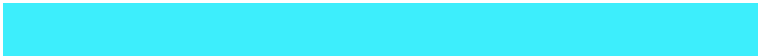
3, 13.343, 23.655

Inverse Universe

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



69, 32.009, 206.031



87, 43.044, 206.859



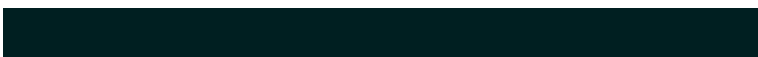
51, 41.629, 275.732



40, 3.674, 205.874



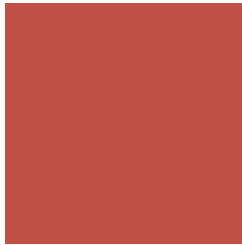
56, 32.354, 208.956



10, 11.460, 206.008

Previews

White Background



This preview shows how the CIELCh color 49, 52.913, 32.275 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, 52.913, 32.275 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, 52.913, 32.275

Background



This preview shows how black text looks on a background with the CIELCh color 49, 52.913, 32.275.



This preview shows how white text looks on a background with the CIELCh color 49, 52.913, 32.275.

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, 52.913, 32.275

Protanopia

49, 18.468, 95.221

Deuteranopia

49, 30.715, 78.132



Tritanopia
49, 51.458, 24.345

Trichromacy



Original Color
49, 52.913, 32.275

Protanomaly
48, 25.599, 52.585

Deuteranomaly
48, 35.431, 53.057

Tritanomaly
49, 51.864, 27.226

Monochromacy



Original Color
49, 52.913, 32.275

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 18.099, 27.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 52.913, 32.275 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(193, 80, 71)` looks like.

```
.text, #text, p{  
    color:rgb(193, 80, 71)  
}
```

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(193, 80, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 80, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 52.913, 32.275 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(193, 80, 71) }
```

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

```
.border{ border-color:rgb(193, 80, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 80, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 80, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 80, 71);  
box-shadow:4px 4px 4px 4px rgb(193, 80,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 52.913, 32.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 80, 71) }
```

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

```
.background{ background-color: rgb(193, 80,  
71) }
```

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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