

Converting Colors

CIELCh(49, 55.568, 32.336)

Have a look what the booklet for
CIELCh(49, 55.568, 32.336) contains.

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Color

CIELCh(49, 55.256, 32.460)

Conversions

Conversions Part 1

Format	Color
Hex	C44E45
RGB	196, 78, 69
RGB Percent	77%, 31%, 27%
CMY	0.2317, 0.6943, 0.7296
CMYK	0.00, 0.60, 0.65, 0.23
HSL	4°, 52%, 52%
HSV	4°, 65%, 77%
XYZ	26.5373, 17.5941, 7.6181
YIQ	112.2560, 73.2170, 22.2170

Conversions

Conversions Part 2

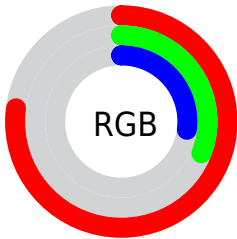
Format	Color
RYB	196, 79, 69
Decimal	12865093
CIELab	49.00, 46.62, 29.66
CIElCh	49, 55.256, 32.460
Yxy	17.5941, 0.5128, 0.3400
Android (android.graphics.Color)	4291055173 (0xFFC44E45)
YUV	112.2560, -21.3252, 73.4435
Hunter-Lab	41.9453, 39.5265, 18.5934

Details

The CIELCh color **49, 55.256, 32.460** 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 **70, 32.920, 205.685**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 54.164, 32.087**, and **29, 55.345, 32.548** is the 20% darker color. If you saturate the color by 10%, you get **46, 65.071, 34.858**, and if you desaturate by 10%, it is **53, 45.426, 30.499**.

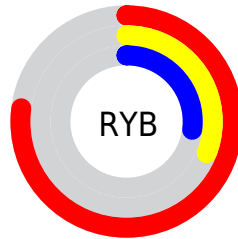
Distribution



Red (77%)

Green (31%)

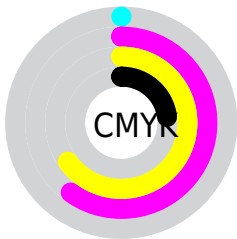
Blue (27%)



Red (77%)

Yellow (31%)

Blue (27%)

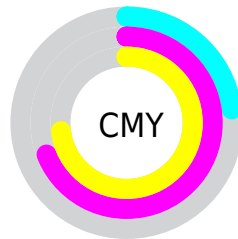


Cyan (0%)

Magenta (60%)

Yellow (65%)

Black (23%)



Cyan (23%)

Magenta (69%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 55.256, 32.460 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, 55.256, 32.460 by changing the saturation by 10% instead.

 49, 55.256, 32.460

 49, 55.256, 32.460

 100, 55.256,
32.460

 39, 55.256, 32.460

 69, 55.256, 32.460

 29, 55.256, 32.460

 79, 55.256, 32.460

 19, 55.256, 32.460

 89, 55.256, 32.460

 9, 55.256, 32.460

 99, 55.256, 32.460

 0, 55.256, 32.460

 49, 55.256, 32.460

 49, 55.256, 32.460

 46, 65.071, 34.858

 53, 45.426, 30.499

 43, 74.306, 37.473

 57, 35.900, 28.972

42, 81.718, 39.633

62, 26.858, 27.817

41, 84.777, 40.716

66, 18.396, 26.956

71, 10.544, 26.312

77, 3.289, 25.750

82, 3.407, 205.762

87, 9.594, 205.441

92, 15.327,
205.277

Harmonies

Complementary

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



49, 55.256, 32.460



70, 32.920, 205.685

Rectangle

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



49, 55.256, 32.460



49, 55.256, 82.460



49, 55.256, 212.460



49, 55.256, 262.460

Sweetspot

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



49, 55.254, 32.463



88, 17.062, 26.579



51, 74.296, 329.775



45, 11.882, 26.770



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, 55.254, 32.463



58, 84.469, 36.011



63, 47.699, 73.494



38, 3.912, 26.018



34, 72.763, 40.694



3, 13.369, 23.468

Inverse Universe

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



70, 32.920, 205.685



87, 43.908, 206.538



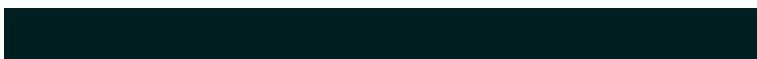
51, 43.204, 276.307



40, 3.684, 205.563



56, 32.456, 208.374



10, 11.498, 205.561

Previews

White Background



This preview shows how the CIELCh color 49, 55.256, 32.460 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, 55.256, 32.460 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, 55.256, 32.460

Background



This preview shows how black text looks on a background with the CIELCh color 49, 55.256, 32.460.



This preview shows how white text looks on a background with the CIELCh color 49, 55.256, 32.460.

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, 55.256, 32.460

Protanopia

49, 19.593, 95.738

Deuteranopia

49, 32.224, 79.195



Tritanopia
49, 53.699, 24.941

Trichromacy



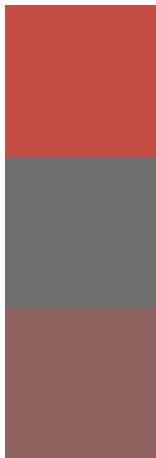
Original Color
49, 55.256, 32.460

Protanomaly
48, 26.844, 52.500

Deuteranomaly
48, 37.017, 54.533

Tritanomaly
49, 54.150, 27.674

Monochromacy



Original Color
49, 55.256, 32.460

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 19.174, 28.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 55.256, 32.460 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(196, 78, 69)` looks like.

```
.text, #text, p{  
    color:rgb(196, 78, 69)  
}
```

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(196, 78, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 78, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 55.256, 32.460 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(196, 78, 69) }
```

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

```
.border{ border-color:rgb(196, 78, 69) }
```

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

Here you see how a box with a 4 pixel rgb(196, 78, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 78, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 78, 69);  
box-shadow:4px 4px 4px 4px rgb(196, 78,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 55.256, 32.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 78, 69) }
```

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

```
.background{ background-color: rgb(196, 78,  
69) }
```

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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