

Converting Colors

CIELCh(47, 59.197, 29.164)

Have a look what the booklet for
CIELCh(47, 59.197, 29.164) contains.

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Color

CIELCh(47, 59.259, 29.215)

Conversions

Conversions Part 1

Format	Color
Hex	C44242
RGB	196, 66, 66
RGB Percent	77%, 26%, 26%
CMY	0.2315, 0.7412, 0.7412
CMYK	0.00, 0.66, 0.66, 0.23
HSL	0°, 52%, 51%
HSV	0°, 66%, 77%
XYZ	25.6883, 16.0195, 6.8897
YIQ	104.8700, 77.4800, 27.5600

Conversions

Conversions Part 2

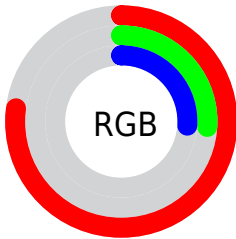
Format	Color
R_{YB}	196, 66, 66
Decimal	12862018
CIE Lab	47.00, 51.72, 28.92
CIE LCh	47, 59.259, 29.215
Yxy	16.0195, 0.5286, 0.3296
Android (android.graphics.Color)	4291052098 (0xFFC44242)
YUV	104.8700, -19.1629, 79.9210
Hunter-Lab	40.0243, 44.5218, 17.8110

Details

The CIELCh color **47, 59.259, 29.215** 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, 35.949, 196.752**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 57.871, 29.389**, and **27, 58.263, 30.091** is the 20% darker color. If you saturate the color by 10%, you get **44, 68.799, 32.511**, and if you desaturate by 10%, it is **51, 49.373, 26.500**.

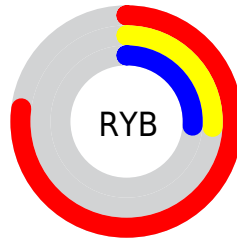
Distribution



Red (77%)

Green (26%)

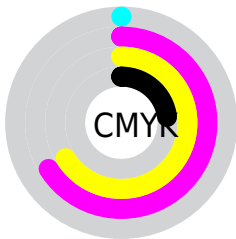
Blue (26%)



Red (77%)

Yellow (26%)

Blue (26%)

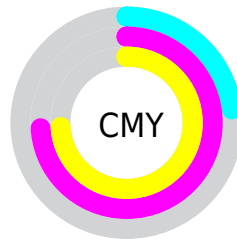


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (23%)



Cyan (23%)


Magenta (74%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 59.259, 29.215 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 47, 59.259, 29.215 by changing the saturation by 10% instead.

 47, 59.259, 29.215  47, 59.259, 29.215

 100, 59.259,
29.215  37, 59.259, 29.215

 67, 59.259, 29.215  27, 59.259, 29.215

 77, 59.259, 29.215  17, 59.259, 29.215

 87, 59.259, 29.215  7, 59.259, 29.215

 97, 59.259, 29.215  0, 59.259, 29.215

 47, 59.259, 29.215  47, 59.259, 29.215

 44, 68.799, 32.511  51, 49.373, 26.500

 42, 77.381, 36.073  55, 39.529, 24.368

41, 83.715, 39.007

60, 30.000, 22.727

41, 85.777, 40.000

65, 20.964, 21.469

70, 12.510, 20.492

76, 4.663, 19.679

81, 2.597, 199.427

87, 9.313, 198.821

93, 15.539,
198.435

Harmonies

Complementary

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



47, 59.259, 29.215



73, 35.949, 196.752

Rectangle

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



47, 59.259, 29.215



47, 59.259, 79.215



47, 59.259, 209.215



47, 59.259, 259.215

Sweetspot

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



47, 59.256, 29.218



86, 19.269, 20.854



51, 79.008, 327.651



44, 13.292, 21.134



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 59.256, 29.218



56, 89.248, 34.272



60, 48.271, 67.034



38, 4.187, 19.922



33, 73.727, 39.724



3, 13.999, 19.406

Inverse Universe

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



73, 35.949, 196.752



91, 47.958, 196.513



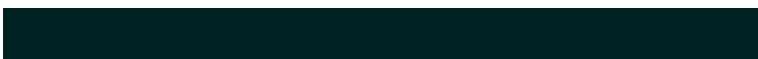
53, 39.964, 270.067



40, 3.949, 198.983



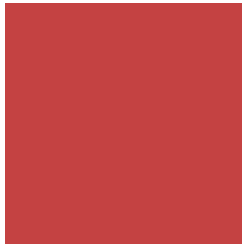
60, 35.473, 196.391



11, 12.443, 196.396

Previews

White Background



This preview shows how the CIELCh color 47, 59.259, 29.215 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 47, 59.259, 29.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 59.259, 29.215

Background



This preview shows how black text looks on a background with the CIELCh color 47, 59.259, 29.215.



This preview shows how white text looks on a background with the CIELCh color 47, 59.259, 29.215.

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

47, 59.259, 29.215

Protanopia

47, 16.804, 95.630

Deuteranopia

47, 31.730, 79.342



Tritanopia
47, 58.872, 27.312

Trichromacy



Original Color
47, 59.259, 29.215

Protanomaly
46, 27.355, 44.625

Deuteranomaly
46, 37.431, 50.013

Tritanomaly
47, 59.086, 27.834

Monochromacy



Original Color
47, 59.259, 29.215

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 20.887, 22.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 59.259, 29.215 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, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(196, 66, 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(196, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 66, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 59.259, 29.215 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, 66, 66) }
```

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

```
.border{ border-color:rgb(196, 66, 66) }
```

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

Here you see how a box with a 4 pixel rgb(196, 66, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(196, 66,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 59.259, 29.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 66, 66) }
```

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

```
.background{ background-color: rgb(196, 66,  
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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