

Converting Colors

CIELCh(48, 61.189, 25.509)

Have a look what the booklet for
CIELCh(48, 61.189, 25.509) contains.

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Color

CIELCh(48, 61.189, 25.509)

Conversions

Conversions Part 1

Format	Color
Hex	CB4049
RGB	203, 64, 73
RGB Percent	80%, 25%, 29%
CMY	0.2047, 0.7497, 0.7143
CMYK	0.00, 0.69, 0.64, 0.20
HSL	356°, 57%, 52%
HSV	356°, 69%, 80%
XYZ	27.5964, 16.7945, 8.0651
YIQ	106.5870, 79.9550, 32.2670

Conversions

Conversions Part 2

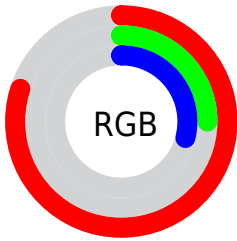
Format	Color
RYB	203, 64, 73
Decimal	13320265
CIELab	48.00, 55.22, 26.35
CIElCh	48, 61.189, 25.509
Yxy	16.7945, 0.5261, 0.3202
Android (android.graphics.Color)	4291510345 (0xFFCB4049)
YUV	106.5870, -16.5584, 84.5542
Hunter-Lab	40.9810, 48.4839, 17.0184

Details

The CIELCh color **48, 61.189, 25.509** 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 **75, 39.012, 189.297**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 56.791, 24.855**, and **29, 59.046, 27.303** is the 20% darker color. If you saturate the color by 10%, you get **45, 70.117, 29.228**, and if you desaturate by 10%, it is **52, 51.734, 22.472**.

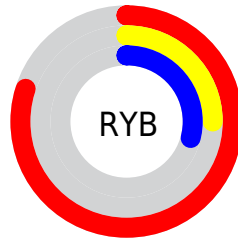
Distribution



Red (80%)

Green (25%)

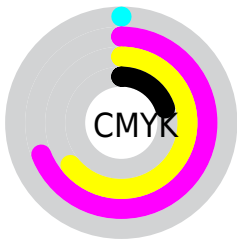
Blue (29%)



Red (80%)

Yellow (25%)

Blue (29%)

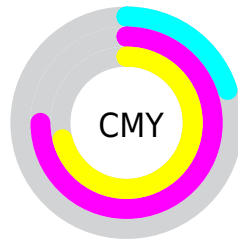


Cyan (0%)

Magenta (69%)

Yellow (64%)

Black (20%)



Cyan (20%)


Magenta (75%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 61.189, 25.509 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 48, 61.189, 25.509 by changing the saturation by 10% instead.


 48, 61.189, 25.509


 48, 61.189, 25.509

 100, 61.189,
25.509

 38, 61.189, 25.509

 68, 61.189, 25.509


 28, 61.189, 25.509

 78, 61.189, 25.509

 18, 61.189, 25.509

 88, 61.189, 25.509

 8, 61.189, 25.509

 98, 61.189, 25.509

 0, 61.189, 25.509

 48, 61.189, 25.509

 48, 61.189, 25.509

 45, 70.117, 29.228

 52, 51.734, 22.472

 43, 78.132, 33.412

 56, 42.097, 20.073

42, 84.551, 37.273

61, 32.577, 18.201

42, 85.343, 37.687

66, 23.397, 16.732

71, 14.696, 15.562

77, 6.532, 14.589

82, 1.086, 194.425

88, 8.181, 193.364

94, 14.796,
192.811

Harmonies

Complementary

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



48, 61.189, 25.509



75, 39.012, 189.297

Rectangle

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



48, 61.189, 25.509



48, 61.189, 75.509



48, 61.189, 205.509



48, 61.189, 255.509

Sweetspot

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



48, 61.186, 25.512



86, 20.249, 15.860



51, 82.612, 325.582



44, 13.835, 16.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 61.186, 25.512



56, 87.849, 31.111



59, 51.538, 60.501



40, 4.379, 14.671



34, 72.960, 37.141



4, 17.952, 16.205

Inverse Universe

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



48, 61.186, 25.512



56, 87.849, 31.111



57, 38.421, 262.917



40, 4.379, 14.671



34, 72.960, 37.141



4, 17.952, 16.205

Previews

White Background



This preview shows how the CIELCh color 48, 61.189, 25.509 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 48, 61.189, 25.509 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 48, 61.189, 25.509

Background



This preview shows how black text looks on a background with the CIELCh color 48, 61.189, 25.509.



This preview shows how white text looks on a background with the CIELCh color 48, 61.189, 25.509.

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

48, 61.189, 25.509

Protanopia

48, 12.105, 94.018

Deuteranopia

48, 29.355, 76.787



Tritanopia
48, 61.960, 28.326

Trichromacy



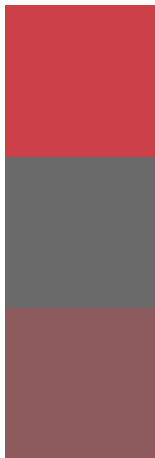
Original Color
48, 61.189, 25.509

Protanomaly
46, 25.948, 35.365

Deuteranomaly
47, 37.281, 45.617

Tritanomaly
48, 61.526, 27.338

Monochromacy



Original Color
48, 61.189, 25.509

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 22.040, 17.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 61.189, 25.509 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, 64, 73)` looks like.

```
.text, #text, p{  
    color:rgb(203, 64, 73)  
}
```

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, 64, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 64, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 61.189, 25.509 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, 64, 73) }
```

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

```
.border{ border-color:rgb(203, 64, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 64, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 64, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 64, 73);  
box-shadow:4px 4px 4px 4px rgb(203, 64,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 61.189, 25.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 64, 73) }
```

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

```
.background{ background-color: rgb(203, 64,  
73) }
```

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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