

Converting Colors

CIELCh(49, 68.093, 15.525)

Have a look what the booklet for
CIELCh(49, 68.093, 15.525) contains.

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Color

CIELCh(49, 68.309, 15.610)

Conversions

Conversions Part 1

Format	Color
Hex	D93059
RGB	217, 48, 89
RGB Percent	85%, 19%, 35%
CMY	0.1489, 0.8116, 0.6509
CMYK	0.00, 0.78, 0.59, 0.15
HSL	345°, 69%, 52%
HSV	345°, 78%, 85%
XYZ	31.4857, 17.5941, 11.1923
YIQ	103.2050, 87.5630, 48.5790

Conversions

Conversions Part 2

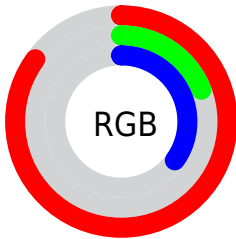
Format	Color
RYB	217, 48, 89
Decimal	14233689
CIELab	49.00, 65.79, 18.38
CIElCh	49, 68.309, 15.610
Yxy	17.5941, 0.5224, 0.2919
Android (android.graphics.Color)	4292423769 (0xFFD93059)
YUV	103.2050, -7.0031, 99.7982
Hunter-Lab	41.9453, 60.5845, 13.5413

Details

The CIELCh color **49, 68.309, 15.610** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **78, 51.815, 170.723**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.938, 12.034**, and **32, 60.652, 21.701** is the 20% darker color. If you saturate the color by 10%, you get **47, 74.385, 20.251**, and if you desaturate by 10%, it is **52, 60.982, 11.858**.

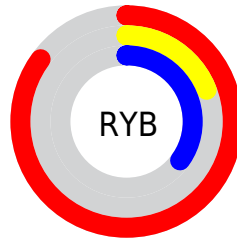
Distribution



Red (85%)

Green (19%)

Blue (35%)



Red (85%)

Yellow (19%)

Blue (35%)

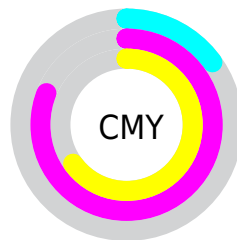


Cyan (0%)

Magenta (78%)

Yellow (59%)

Black (15%)



Cyan (15%)

Magenta (81%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 68.309, 15.610 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, 68.309, 15.610 by changing the saturation by 10% instead.

■ 49, 68.309, 15.610

■ 49, 68.309, 15.610

■ 100, 68.309,
15.610

■ 39, 68.309, 15.610

■ 69, 68.309, 15.610

■ 29, 68.309, 15.610

■ 79, 68.309, 15.610

■ 19, 68.309, 15.610

■ 89, 68.309, 15.610

■ 9, 68.309, 15.610

■ 99, 68.309, 15.610

■ 0, 68.309, 15.610

■ 49, 68.309, 15.610

■ 49, 68.309, 15.610

■ 47, 74.385, 20.251

■ 52, 60.982, 11.858

■ 46, 79.418, 25.630

■ 56, 52.591, 8.889

46, 80.497, 26.755

60, 43.497, 6.543

65, 34.091, 4.664

71, 24.688, 3.132

76, 15.505, 1.850

82, 6.668, 0.730

88, 1.763, 180.183

94, 9.771, 179.128

Harmonies

Complementary

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



49, 68.309, 15.610



78, 51.815, 170.723

Rectangle

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



49, 68.309, 15.610



49, 68.309, 65.610



49, 68.309, 195.610



49, 68.309, 245.610

Sweetspot

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



49, 68.306, 15.612



85, 23.017, 2.509



47, 94.712, 319.769



43, 16.047, 2.993



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, 68.306, 15.612



54, 87.505, 23.423



54, 67.490, 45.267



43, 4.874, 0.903



36, 67.616, 25.809



5, 23.788, 9.761

Inverse Universe

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



49, 68.306, 15.612



54, 87.505, 23.423



67, 36.681, 237.608



43, 4.874, 0.903



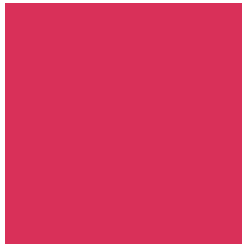
36, 67.616, 25.809



5, 23.788, 9.761

Previews

White Background



This preview shows how the CIELCh color 49, 68.309, 15.610 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, 68.309, 15.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

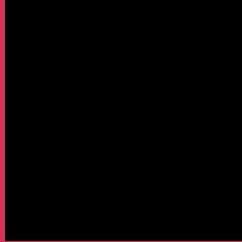
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 68.309, 15.610

Background



This preview shows how black text looks on a background with the CIELCh color 49, 68.309, 15.610.



This preview shows how white text looks on a background with the CIELCh color 49, 68.309, 15.610.

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, 68.309, 15.610

Protanopia

49, 3.057, 305.676

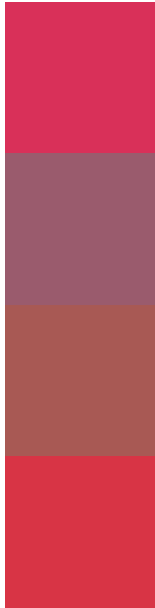
Deuteranopia

49, 22.402, 72.880



Tritanopia
49, 72.162, 31.267

Trichromacy



Original Color
49, 68.309, 15.610

Protanomaly
46, 28.222, 1.841

Deuteranomaly
47, 36.238, 28.840

Tritanomaly
49, 70.045, 25.586

Monochromacy



Original Color
49, 68.309, 15.610

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 27.430, 4.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 68.309, 15.610 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(217, 48, 89)` looks like.

```
.text, #text, p{  
    color:rgb(217, 48, 89)  
}
```

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(217, 48, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 48, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 68.309, 15.610 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(217, 48, 89) }
```

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

```
.border{ border-color:rgb(217, 48, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 48, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 48, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 48, 89);  
box-shadow:4px 4px 4px 4px rgb(217, 48,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 68.309, 15.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 48, 89) }
```

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

```
.background{ background-color: rgb(217, 48,  
89) }
```

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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