

Converting Colors

CIELCh(49, 71.367, 26.466)

Have a look what the booklet for
CIELCh(49, 71.367, 26.466) contains.

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Color

CIELCh(49, 71.437, 26.444)

Conversions

Conversions Part 1

Format	Color
Hex	DA3343
RGB	218, 51, 67
RGB Percent	85%, 20%, 26%
CMY	0.1464, 0.8013, 0.7382
CMYK	0.00, 0.77, 0.69, 0.15
HSL	354°, 69%, 53%
HSV	354°, 77%, 85%
XYZ	30.9895, 17.5941, 7.0357
YIQ	102.7570, 94.3960, 40.3800

Conversions

Conversions Part 2

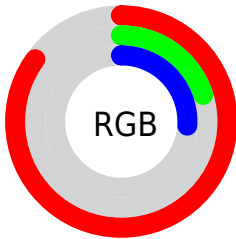
Format	Color
RYB	218, 51, 67
Decimal	14299971
CIELab	49.00, 63.96, 31.81
CIElCh	49, 71.437, 26.444
Yxy	17.5941, 0.5572, 0.3163
Android (android.graphics.Color)	4292490051 (0xFFDA3343)
YUV	102.7570, -17.6282, 101.0681
Hunter-Lab	41.9453, 58.4730, 19.4166

Details

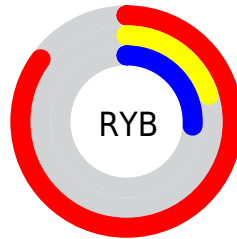
The CIELCh color **49, 71.437, 26.444** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **79, 44.720, 185.113**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.764, 24.804**, and **32, 65.528, 31.879** is the 20% darker color. If you saturate the color by 10%, you get **47, 79.721, 30.798**, and if you desaturate by 10%, it is **52, 62.261, 22.730**.

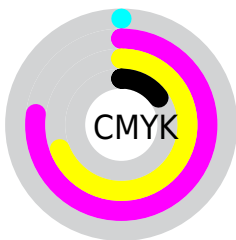
Distribution



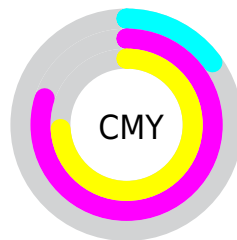
- Red (85%)
- Green (20%)
- Blue (26%)



- Red (85%)
- Yellow (20%)
- Blue (26%)



- Cyan (0%)
- Magenta (77%)
- Yellow (69%)
- Black (15%)



- Cyan (15%)
- Magenta (80%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 71.437, 26.444 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, 71.437, 26.444 by changing the saturation by 10% instead.

 49, 71.437, 26.444

 49, 71.437, 26.444

 100, 71.437,
26.444

 39, 71.437, 26.444

 69, 71.437, 26.444

 29, 71.437, 26.444

 79, 71.437, 26.444

 19, 71.437, 26.444

 89, 71.437, 26.444

 9, 71.437, 26.444

 99, 71.437, 26.444

 0, 71.437, 26.444

 49, 71.437, 26.444

 49, 71.437, 26.444

 47, 79.721, 30.798

 52, 62.261, 22.730

 46, 86.700, 35.280

 56, 52.516, 19.738

46, 88.684, 36.500

61, 42.540, 17.385

66, 32.653, 15.539

71, 23.093, 14.076

77, 14.002, 12.895

83, 5.448, 11.882

89, 2.560, 191.426

95, 10.044,
190.599

Harmonies

Complementary

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



49, 71.437, 26.444



79, 44.720, 185.113

Rectangle

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



49, 71.437, 26.444



49, 71.437, 76.444



49, 71.437, 206.444



49, 71.437, 256.444

Sweetspot

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



49, 71.434, 26.446



85, 22.352, 13.633



52, 93.819, 324.611



43, 15.646, 14.093



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, 71.434, 26.446



54, 94.857, 33.577



60, 62.476, 56.635



43, 4.668, 12.152



36, 74.242, 35.815



5, 23.732, 16.106

Inverse Universe

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



49, 71.434, 26.446



54, 94.857, 33.577



60, 42.599, 261.819



43, 4.668, 12.152



36, 74.242, 35.815



5, 23.732, 16.106

Previews

White Background



This preview shows how the CIELCh color 49, 71.437, 26.444 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, 71.437, 26.444 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, 71.437, 26.444

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.437, 26.444.



This preview shows how white text looks on a background with the CIELCh color 49, 71.437, 26.444.

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, 71.437, 26.444

Protanopia

49, 15.546, 95.075

Deuteranopia

49, 35.446, 80.281



Tritanopia
49, 73.735, 32.042

Trichromacy



Original Color
49, 71.437, 26.444

Protanomaly
47, 31.352, 34.873

Deuteranomaly
47, 43.735, 45.777

Tritanomaly
49, 72.676, 29.886

Monochromacy



Original Color
49, 71.437, 26.444

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 27.193, 16.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.437, 26.444 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(218, 51, 67)` looks like.

```
.text, #text, p{  
    color:rgb(218, 51, 67)  
}
```

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(218, 51, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 51, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.437, 26.444 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(218, 51, 67) }
```

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

```
.border{ border-color:rgb(218, 51, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 51, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 51, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 51, 67);  
box-shadow:4px 4px 4px 4px rgb(218, 51,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.437, 26.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 51, 67) }
```

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

```
.background{ background-color: rgb(218, 51,  
67) }
```

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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