

Converting Colors

CIELCh(48, 71.927, 18.151)

Have a look what the booklet for
CIELCh(48, 71.927, 18.151) contains.

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Color

CIELCh(48, 71.970, 18.316)

Conversions

Conversions Part 1

Format	Color
Hex	DA2550
RGB	218, 37, 80
RGB Percent	85%, 15%, 31%
CMY	0.1453, 0.8551, 0.6864
CMYK	0.00, 0.83, 0.63, 0.15
HSL	346°, 71%, 50%
HSV	346°, 83%, 85%
XYZ	31.0033, 16.7945, 9.1893
YIQ	96.0210, 94.0730, 51.7450

Conversions

Conversions Part 2

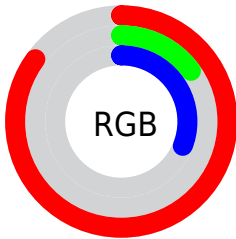
Format	Color
RYB	218, 37, 80
Decimal	14296400
CIELab	48.00, 68.32, 22.62
CIElCh	48, 71.970, 18.316
Yxy	16.7945, 0.5440, 0.2947
Android (android.graphics.Color)	4292486480 (0xFFDA2550)
YUV	96.0210, -7.8984, 106.9756
Hunter-Lab	40.9810, 63.3233, 15.3920

Details

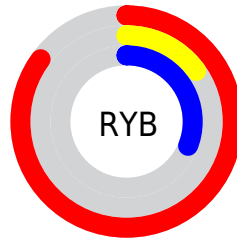
The CIELCh color **48, 71.970, 18.316** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 53.569, 170.227**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 61.962, 15.031**, and **32, 62.380, 26.095** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.530, 23.402**, and if you desaturate by 10%, it is **51, 65.204, 14.095**.

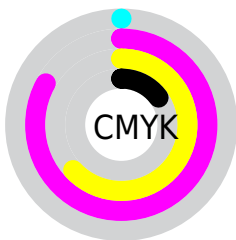
Distribution



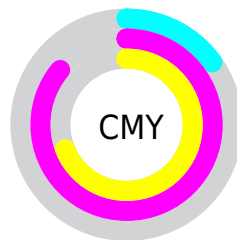
- Red (85%)
- Green (15%)
- Blue (31%)



- Red (85%)
- Yellow (15%)
- Blue (31%)



- Cyan (0%)
- Magenta (83%)
- Yellow (63%)
- Black (15%)



- Cyan (15%)
- Magenta (86%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 71.970, 18.316 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, 71.970, 18.316 by changing the saturation by 10% instead.

 48, 71.970, 18.316

 48, 71.970, 18.316

 100, 71.970,
18.316

 38, 71.970, 18.316

 68, 71.970, 18.316

 28, 71.970, 18.316

 78, 71.970, 18.316

 18, 71.970, 18.316

 88, 71.970, 18.316

 8, 71.970, 18.316

 98, 71.970, 18.316

 0, 71.970, 18.316

 48, 71.970, 18.316

 48, 71.970, 18.316

 46, 77.530, 23.402

 51, 65.204, 14.095

 46, 81.008, 27.167

 54, 57.260, 10.724

■ 58, 48.424, 8.063

■ 63, 39.089, 5.952

■ 68, 29.614, 4.248

■ 74, 20.268, 2.845

■ 79, 11.220, 1.654

■ 85, 2.561, 0.496

■ 91, 5.676, 179.932

Harmonies

Complementary

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



48, 71.970, 18.316



78, 53.569, 170.227

Rectangle

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



48, 71.970, 18.316



48, 71.970, 68.316



48, 71.970, 198.316



48, 71.970, 248.316

Sweetspot

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



48, 71.967, 18.318



83, 25.083, 3.129



46, 98.649, 319.676



42, 17.230, 3.616



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, 71.967, 18.318



54, 91.595, 27.712



53, 72.884, 45.437



43, 4.864, 1.257



36, 67.812, 26.207



5, 23.781, 9.981

Inverse Universe

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



48, 71.967, 18.318



54, 91.595, 27.712



66, 37.927, 239.490



43, 4.864, 1.257



36, 67.812, 26.207



5, 23.781, 9.981

Previews

White Background



This preview shows how the CIELCh color 48, 71.970, 18.316 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, 71.970, 18.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

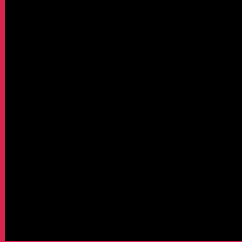
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 71.970, 18.316

Background



This preview shows how black text looks on a background with the CIELCh color 48, 71.970, 18.316.



This preview shows how white text looks on a background with the CIELCh color 48, 71.970, 18.316.

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, 71.970, 18.316

Protanopia

48, 1.688, 63.306

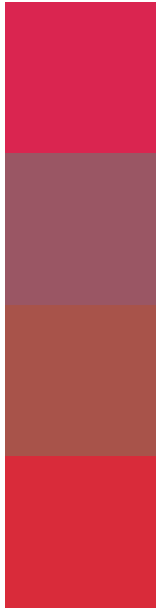
Deuteranopia

48, 26.768, 76.631



Tritanopia
48, 77.174, 33.573

Trichromacy



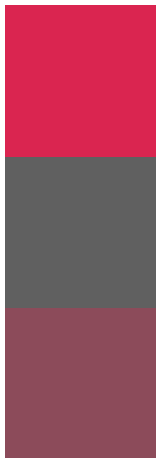
Original Color
48, 71.970, 18.316

Protanomaly
45, 30.087, 8.346

Deuteranomaly
46, 40.262, 32.264

Tritanomaly
48, 74.646, 28.599

Monochromacy



Original Color
48, 71.970, 18.316

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 29.412, 6.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 71.970, 18.316 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, 37, 80)` looks like.

```
.text, #text, p{  
  color:rgb(218, 37, 80)  
}
```

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, 37, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 37, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 71.970, 18.316 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, 37, 80) }
```

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

```
.border{ border-color:rgb(218, 37, 80) }
```

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

Here you see how a box with a 4 pixel rgb(218, 37, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 37, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 37, 80);  
box-shadow:4px 4px 4px 4px rgb(218, 37,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 71.970, 18.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 37, 80) }
```

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

```
.background{ background-color: rgb(218, 37,  
80) }
```

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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