

Converting Colors

CIELCh(48, 74.820, 15.563)

Have a look what the booklet for
CIELCh(48, 74.820, 15.563) contains.

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Color

CIELCh(48, 74.819, 15.772)

Conversions

Conversions Part 1

Format	Color
Hex	DE1854
RGB	222, 24, 84
RGB Percent	87%, 9%, 33%
CMY	0.1299, 0.9066, 0.6709
CMYK	0.00, 0.89, 0.62, 0.13
HSL	342°, 81%, 48%
HSV	342°, 89%, 87%
XYZ	32.0079, 16.7945, 9.9247
YIQ	90.0420, 98.7480, 60.6360

Conversions

Conversions Part 2

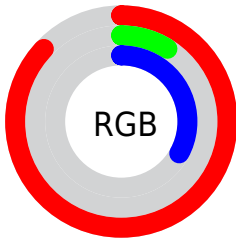
Format	Color
RYB	222, 24, 84
Decimal	14555220
CIELab	48.00, 72.00, 20.34
CIElCh	48, 74.819, 15.772
Yxy	16.7945, 0.5450, 0.2860
Android (android.graphics.Color)	4292745300 (0xFFDE1854)
YUV	90.0420, -2.9787, 115.7272
Hunter-Lab	40.9810, 67.6993, 14.3280

Details

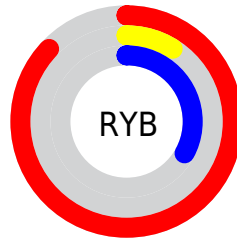
The CIELCh color **48, 74.819, 15.772** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **79, 60.772, 163.601**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.615, 11.594**, and **33, 62.910, 24.625** is the 20% darker color. If you saturate the color by 10%, you get **47, 78.824, 21.160**, and if you desaturate by 10%, it is **50, 69.683, 11.181**.

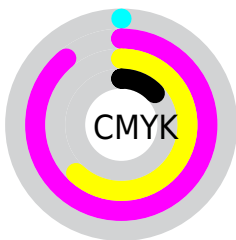
Distribution



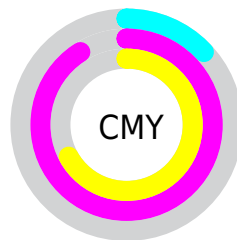
- Red (87%)
- Green (9%)
- Blue (33%)



- Red (87%)
- Yellow (9%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (91%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 74.819, 15.772 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, 74.819, 15.772 by changing the saturation by 10% instead.

 48, 74.819, 15.772

 48, 74.819, 15.772

 100, 74.819,
15.772

 38, 74.819, 15.772

 68, 74.819, 15.772

 28, 74.819, 15.772

 78, 74.819, 15.772

 18, 74.819, 15.772

 88, 74.819, 15.772

 8, 74.819, 15.772

 98, 74.819, 15.772

 0, 74.819, 15.772

 48, 74.819, 15.772

 48, 74.819, 15.772

 47, 78.824, 21.160

 50, 69.683, 11.181

 47, 79.126, 21.550

 53, 63.046, 7.503

57, 55.060, 4.604

61, 46.116, 2.309

66, 36.648, 0.461

71, 27.026,
358.942

77, 17.509,
357.661

83, 8.261, 356.542

89, 0.631, 176.475

Harmonies

Complementary

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



48, 74.819, 15.772



79, 60.772, 163.601

Rectangle

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



48, 74.819, 15.772



48, 74.819, 65.772



48, 74.819, 195.772



48, 74.819, 245.772

Sweetspot

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



48, 74.815, 15.774



82, 27.826, 358.661



43, 104.308, 317.382



42, 18.840, 359.136



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, 74.815, 15.774



54, 88.134, 22.040



50, 82.374, 42.391



44, 5.109, 356.561



37, 66.199, 20.576



6, 25.365, 7.511

Inverse Universe

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



48, 74.815, 15.774



54, 88.134, 22.040



70, 38.503, 228.712



44, 5.109, 356.561



37, 66.199, 20.576



6, 25.365, 7.511

Previews

White Background



This preview shows how the CIELCh color 48, 74.819, 15.772 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, 74.819, 15.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

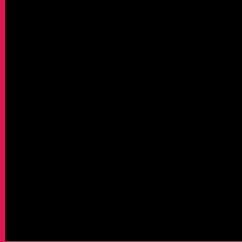
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 74.819, 15.772

Background



This preview shows how black text looks on a background with the CIELCh color 48, 74.819, 15.772.

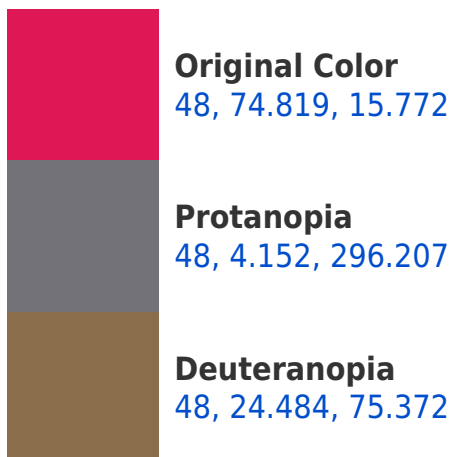


This preview shows how white text looks on a background with the CIELCh color 48, 74.819, 15.772.

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](#).

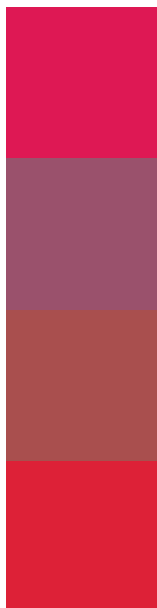
Dichromacy





Tritanopia
48, 81.609, 35.155

Trichromacy



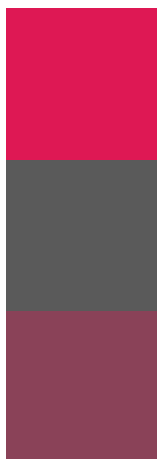
Original Color
48, 74.819, 15.772

Protanomaly
44, 33.659, 356.968

Deuteranomaly
45, 41.178, 26.437

Tritanomaly
48, 78.435, 28.658

Monochromacy



Original Color
48, 74.819, 15.772

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 33.169, 2.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 74.819, 15.772 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(222, 24, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 24, 84)  
}
```

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(222, 24, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 24, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 74.819, 15.772 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(222, 24, 84) }
```

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

```
.border{ border-color:rgb(222, 24, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 24, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 24, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 24, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 24,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 74.819, 15.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 24, 84) }
```

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

```
.background{ background-color: rgb(222, 24,  
84) }
```

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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