

Converting Colors

CIELCh(46, 76.143, 19.161)

Have a look what the booklet for
CIELCh(46, 76.143, 19.161) contains.

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Color

CIELCh(46, 75.975, 19.019)

Conversions

Conversions Part 1

Format	Color
Hex	D80848
RGB	216, 8, 72
RGB Percent	85%, 3%, 28%
CMY	0.1521, 0.9697, 0.7170
CMYK	0.00, 0.96, 0.67, 0.15
HSL	341°, 93%, 44%
HSV	341°, 96%, 85%
XYZ	29.6410, 15.2687, 7.5422
YIQ	77.4880, 103.4240, 64.0000

Conversions

Conversions Part 2

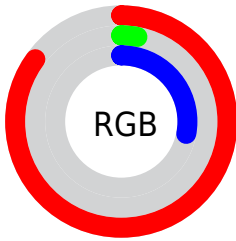
Format	Color
RYB	216, 8, 72
Decimal	14157896
CIELab	46.00, 71.83, 24.76
CIElCh	46, 75.975, 19.019
Yxy	15.2687, 0.5651, 0.2911
Android (android.graphics.Color)	4292347976 (0xFFD80848)
YUV	77.4880, -2.7056, 121.4750
Hunter-Lab	39.0751, 67.0221, 15.9086

Details

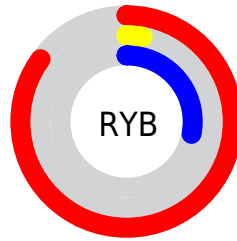
The CIELCh color **46, 75.975, 19.019** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **77, 62.239, 161.667**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.710, 16.034**, and **31, 63.152, 28.870** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.351, 20.946**, and if you desaturate by 10%, it is **47, 71.934, 13.823**.

Distribution



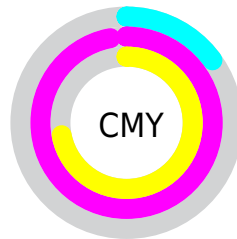
- Red (85%)
- Green (3%)
- Blue (28%)



- Red (85%)
- Yellow (3%)
- Blue (28%)



- Cyan (0%)
- Magenta (96%)
- Yellow (67%)
- Black (15%)



- Cyan (15%)
- Magenta (97%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 75.975, 19.019 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 46, 75.975, 19.019 by changing the saturation by 10% instead.

 46, 75.975, 19.019

 46, 75.975, 19.019

 100, 75.975,
19.019

 36, 75.975, 19.019

 66, 75.975, 19.019

 26, 75.975, 19.019

 76, 75.975, 19.019

 16, 75.975, 19.019

 86, 75.975, 19.019

 6, 75.975, 19.019

 96, 75.975, 19.019

 0, 75.975, 19.019

 46, 75.975, 19.019

 46, 75.975, 19.019

 46, 77.351, 20.946

 47, 71.934, 13.823

 49, 66.542, 9.541

■ 53, 59.666, 6.140

■ 56, 51.552, 3.459

■ 61, 42.613, 1.326

■ 66, 33.266,
359.597

■ 71, 23.843,
358.163

■ 77, 14.571,
356.943

■ 83, 5.588, 355.849

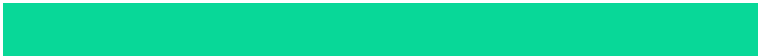
Harmonies

Complementary

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



46, 75.975, 19.019



77, 62.239, 161.667

Rectangle

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



46, 75.975, 19.019



46, 75.975, 69.019



46, 75.975, 199.019



46, 75.975, 249.019

Sweetspot

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



46, 75.972, 19.021



81, 30.038, 358.547



41, 104.986, 316.971



41, 20.719, 359.163



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 75.972, 19.021



54, 87.887, 21.535



48, 86.069, 42.597



42, 4.930, 356.174



36, 64.567, 19.934



5, 22.307, 5.772

Inverse Universe

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



46, 75.972, 19.021



54, 87.887, 21.535



67, 38.317, 231.084



42, 4.930, 356.174



36, 64.567, 19.934



5, 22.307, 5.772

Previews

White Background



This preview shows how the CIELCh color 46, 75.975, 19.019 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 46, 75.975, 19.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

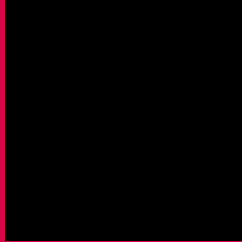
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 75.975, 19.019

Background



This preview shows how black text looks on a background with the CIELCh color 46, 75.975, 19.019.



This preview shows how white text looks on a background with the CIELCh color 46, 75.975, 19.019.

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

46, 75.906, 19.067

Protanopia

47, 2.876, 74.528

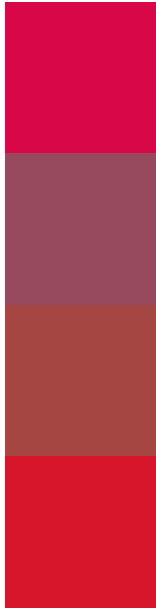
Deuteranopia

46, 29.299, 77.376



Tritanopia
46, 84.162, 37.188

Trichromacy



Original Color
46, 75.906, 19.067

Protanomaly
41, 35.099, 5.057

Deuteranomaly
42, 44.745, 29.482

Tritanomaly
46, 80.579, 31.352

Monochromacy



Original Color
46, 75.906, 19.067

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 35.315, 4.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 75.975, 19.019 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(216, 8, 72)` looks like.

```
.text, #text, p{  
    color:rgb(216, 8, 72)  
}
```

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(216, 8, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 8, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 75.975, 19.019 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(216, 8, 72) }
```

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

```
.border{ border-color:rgb(216, 8, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 8, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 8, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 8, 72);  
box-shadow:4px 4px 4px 4px rgb(216, 8, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 75.975, 19.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 8, 72) }
```

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

```
.background{ background-color: rgb(216, 8,  
72) }
```

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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