

Converting Colors

CIELCh(46, 76.660, 18.693)

Have a look what the booklet for
CIELCh(46, 76.660, 18.693) contains.

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Color

CIELCh(46, 76.565, 18.461)

Conversions

Conversions Part 1

Format	Color
Hex	D90149
RGB	217, 1, 73
RGB Percent	85%, 0%, 29%
CMY	0.1488, 0.9951, 0.7136
CMYK	0.00, 0.99, 0.66, 0.15
HSL	340°, 99%, 43%
HSV	340°, 99%, 85%
XYZ	29.8506, 15.2687, 7.6846
YIQ	73.7920, 105.6240, 68.1840

Conversions

Conversions Part 2

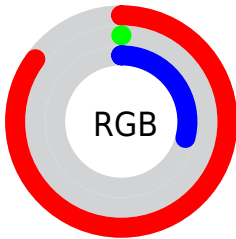
Format	Color
R_{YB}	217, 1, 73
Decimal	14221641
CIE Lab	46.00, 72.62, 24.25
CIE LCh	46, 76.565, 18.461
Yxy	15.2687, 0.5653, 0.2892
Android (android.graphics.Color)	4292411721 (0xFFD90149)
YUV	73.7920, -0.3905, 125.5934
Hunter-Lab	39.0751, 67.9796, 15.6925

Details

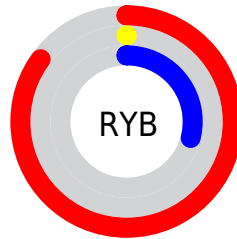
The CIELCh color **46, 76.565, 18.461** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **77, 65.250, 159.220**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.964, 15.304**, and **32, 63.523, 28.999** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.767, 18.763**, and if you desaturate by 10%, it is **47, 73.089, 13.195**.

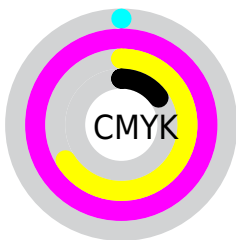
Distribution



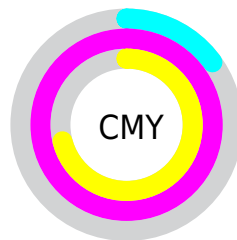
- Red (85%)
- Green (0%)
- Blue (29%)



- Red (85%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (66%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 76.565, 18.461 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, 76.565, 18.461 by changing the saturation by 10% instead.

 46, 76.565, 18.461

 46, 76.565, 18.461

 100, 76.565,
18.461

 36, 76.565, 18.461

 66, 76.565, 18.461

 26, 76.565, 18.461

 76, 76.565, 18.461

 16, 76.565, 18.461

 86, 76.565, 18.461

 6, 76.565, 18.461

 96, 76.565, 18.461

 0, 76.565, 18.461

 46, 76.565, 18.461

 46, 76.565, 18.461

 46, 76.767, 18.763

 47, 73.089, 13.195

 49, 68.427, 8.746

■ 52, 62.173, 5.203

■ 55, 54.495, 2.412

■ 60, 45.792, 0.196

■ 65, 36.507,
358.405

■ 70, 27.014,
356.924

■ 75, 17.583,
355.668

■ 81, 8.383, 354.565

Harmonies

Complementary

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



46, 76.565, 18.461



77, 65.250, 159.220

Rectangle

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



46, 76.565, 18.461



46, 76.565, 68.461



46, 76.565, 198.461



46, 76.565, 248.461

Sweetspot

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



46, 76.561, 18.463



81, 31.414, 357.039



40, 106.594, 316.262



40, 21.524, 357.646



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, 76.561, 18.463



54, 86.917, 19.332



47, 88.927, 42.284



43, 5.090, 354.566



36, 64.666, 17.816



6, 23.996, 5.182

Inverse Universe

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



46, 76.561, 18.463



54, 86.917, 19.332



68, 38.528, 228.484



43, 5.090, 354.566



36, 64.666, 17.816



6, 23.996, 5.182

Previews

White Background



This preview shows how the CIELCh color 46, 76.565, 18.461 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, 76.565, 18.461 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, 76.565, 18.461

Background



This preview shows how black text looks on a background with the CIELCh color 46, 76.565, 18.461.



This preview shows how white text looks on a background with the CIELCh color 46, 76.565, 18.461.

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, 76.565, 18.461

Protanopia

47, 2.020, 55.143

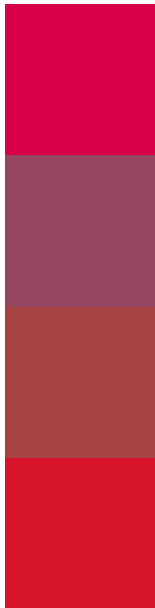
Deuteranopia

47, 28.997, 78.228



Tritanopia
46, 84.524, 37.210

Trichromacy



Original Color
46, 76.565, 18.461

Protanomaly
41, 36.704, 2.541

Deuteranomaly
42, 45.166, 27.632

Tritanomaly
46, 81.134, 31.258

Monochromacy



Original Color
46, 76.565, 18.461

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 36.436, 2.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 76.565, 18.461 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, 1, 73)` looks like.

```
.text, #text, p{  
    color:rgb(217, 1, 73)  
}
```

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, 1, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 1, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 76.565, 18.461 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, 1, 73) }
```

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

```
.border{ border-color:rgb(217, 1, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 1, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 1, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 1, 73);  
box-shadow:4px 4px 4px 4px rgb(217, 1, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 76.565, 18.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 1, 73) }
```

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

```
.background{ background-color: rgb(217, 1,  
73) }
```

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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