

Converting Colors

CIELCh(46, 76.858, 17.442)

Have a look what the booklet for
CIELCh(46, 76.858, 17.442) contains.

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Color

CIELCh(46, 76.675, 17.709)

Conversions

Conversions Part 1

Format	Color
Hex	D9004B
RGB	217, 0, 75
RGB Percent	85%, 0%, 29%
CMY	0.1475, 1.0000, 0.7076
CMYK	0.00, 1.00, 0.66, 0.15
HSL	339°, 100%, 43%
HSV	339°, 100%, 85%
XYZ	29.9605, 15.2687, 7.9446
YIQ	73.4330, 105.2570, 69.3290

Conversions

Conversions Part 2

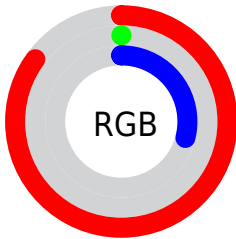
Format	Color
RYB	217, 0, 75
Decimal	14221387
CIELab	46.00, 73.04, 23.32
CIElCh	46, 76.675, 17.709
Yxy	15.2687, 0.5634, 0.2871
Android (android.graphics.Color)	4292411467 (0xFFD9004B)
YUV	73.4330, 0.7725, 125.9083
Hunter-Lab	39.0751, 68.4818, 15.2980

Details

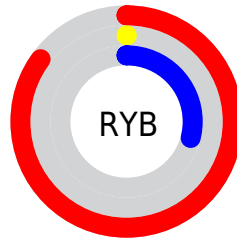
The CIELCh color **46, 76.675, 17.709** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **77, 66.351, 158.348**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.834, 14.359**, and **32, 63.003, 28.007** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.538, 17.800**, and if you desaturate by 10%, it is **47, 73.245, 12.559**.

Distribution



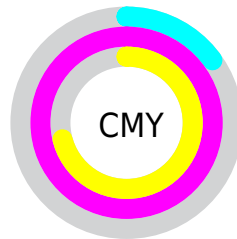
- Red (85%)
- Green (0%)
- Blue (29%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (15%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 76.675, 17.709 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, 76.675, 17.709 by changing the saturation by 10% instead.

 46, 76.675, 17.709

 46, 76.675, 17.709

 100, 76.675,
17.709

 36, 76.675, 17.709

 66, 76.675, 17.709

 26, 76.675, 17.709

 76, 76.675, 17.709

 16, 76.675, 17.709

 86, 76.675, 17.709

 6, 76.675, 17.709

 96, 76.675, 17.709

 0, 76.675, 17.709

 46, 76.675, 17.709

 46, 76.675, 17.709

 46, 76.538, 17.800

 47, 73.245, 12.559

 49, 68.793, 8.111

■ 52, 62.708, 4.571

■ 55, 55.145, 1.784

■ 60, 46.501,
359.570

■ 65, 37.229,
357.780

■ 70, 27.712,
356.299

■ 75, 18.230,
355.043

■ 81, 8.961, 353.940

Harmonies

Complementary

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



46, 76.675, 17.709



77, 66.351, 158.348

Rectangle

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



46, 76.675, 17.709



46, 76.675, 67.709



46, 76.675, 197.709



46, 76.675, 247.709

Sweetspot

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



46, 76.538, 17.800



81, 31.553, 356.336



39, 107.257, 315.724



40, 21.613, 356.937



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, 76.538, 17.800



54, 86.543, 18.360



47, 89.923, 41.953



43, 5.118, 353.881



36, 64.425, 16.854



6, 24.032, 4.604

Inverse Universe

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



46, 76.538, 17.800



54, 86.543, 18.360



69, 38.628, 225.007



43, 5.118, 353.881



36, 64.425, 16.854



6, 24.032, 4.604

Previews

White Background



This preview shows how the CIELCh color 46, 76.675, 17.709 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, 76.675, 17.709 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, 76.675, 17.709

Background



This preview shows how black text looks on a background with the CIELCh color 46, 76.675, 17.709.



This preview shows how white text looks on a background with the CIELCh color 46, 76.675, 17.709.

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, 76.360, 17.542

Protanopia

47, 1.001, 55.178

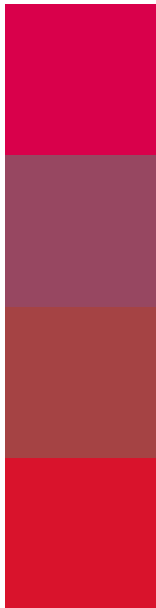
Deuteranopia

47, 27.977, 77.380



Tritanopia
46, 84.270, 36.962

Trichromacy



Original Color
46, 76.360, 17.542

Protanomaly
41, 36.405, 1.200

Deuteranomaly
42, 45.293, 26.371

Tritanomaly
46, 81.325, 30.913

Monochromacy



Original Color
46, 76.360, 17.542

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 37.397, 1.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 76.675, 17.709 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, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 75)  
}
```

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, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 76.675, 17.709 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, 0, 75) }
```

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

```
.border{ border-color:rgb(217, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 76.675, 17.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 75) }
```

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

```
.background{ background-color: rgb(217, 0,  
75) }
```

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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