

Converting Colors

CIELCh(46, 75.489, 17.468)

Have a look what the booklet for
CIELCh(46, 75.489, 17.468) contains.

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Color

CIELCh(46, 75.423, 17.259)

Conversions

Conversions Part 1

Format	Color
Hex	D8074C
RGB	216, 7, 76
RGB Percent	85%, 3%, 30%
CMY	0.1530, 0.9726, 0.7020
CMYK	0.00, 0.97, 0.65, 0.15
HSL	340°, 94%, 44%
HSV	340°, 97%, 85%
XYZ	29.6933, 15.2687, 8.2174
YIQ	77.3570, 102.4150, 65.7670

Conversions

Conversions Part 2

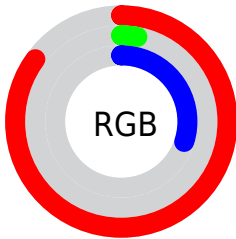
Format	Color
RYB	216, 7, 76
Decimal	14157644
CIELab	46.00, 72.03, 22.38
CIElCh	46, 75.423, 17.259
Yxy	15.2687, 0.5584, 0.2871
Android (android.graphics.Color)	4292347724 (0xFFD8074C)
YUV	77.3570, -0.6690, 121.5899
Hunter-Lab	39.0751, 67.2611, 14.8840

Details

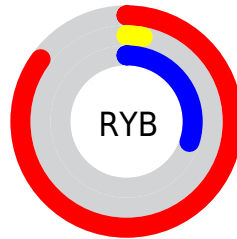
The CIELCh color **46, 75.423, 17.259** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **77, 63.928, 159.995**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.440, 14.137**, and **32, 62.380, 27.356** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.555, 18.983**, and if you desaturate by 10%, it is **47, 71.745, 12.128**.

Distribution



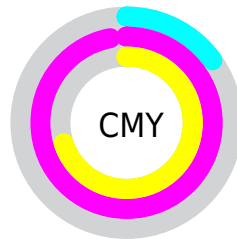
- Red (85%)
- Green (3%)
- Blue (30%)



- Red (85%)
- Yellow (3%)
- Blue (30%)



- Cyan (0%)
- Magenta (97%)
- Yellow (65%)
- Black (15%)



- Cyan (15%)
- Magenta (97%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 75.423, 17.259 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, 75.423, 17.259 by changing the saturation by 10% instead.

 46, 75.423, 17.259

 46, 75.423, 17.259

 100, 75.423,
17.259

 36, 75.423, 17.259

 66, 75.423, 17.259

 26, 75.423, 17.259

 76, 75.423, 17.259

 16, 75.423, 17.259

 86, 75.423, 17.259

 6, 75.423, 17.259

 96, 75.423, 17.259

 0, 75.423, 17.259

 46, 75.423, 17.259

 46, 75.423, 17.259

 46, 76.555, 18.983

 47, 71.745, 12.128

 49, 66.652, 7.920

■ 52, 59.994, 4.586

■ 56, 52.018, 1.957

■ 61, 43.149,
359.863

■ 66, 33.815,
358.160

■ 71, 24.360,
356.743

■ 77, 15.024,
355.534

■ 82, 5.951, 354.450

Harmonies

Complementary

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



46, 75.423, 17.259



77, 63.928, 159.995

Rectangle

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



46, 75.423, 17.259



46, 75.423, 67.259



46, 75.423, 197.259



46, 75.423, 247.259

Sweetspot

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



46, 75.419, 17.261



81, 30.299, 357.077



40, 105.321, 316.439



41, 20.887, 357.682



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, 75.419, 17.261



54, 87.014, 19.572



47, 86.801, 42.102



42, 4.985, 354.734



36, 64.005, 17.984



5, 22.385, 4.654

Inverse Universe

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



46, 75.419, 17.261



54, 87.014, 19.572



68, 38.237, 227.627



42, 4.985, 354.734



36, 64.005, 17.984



5, 22.385, 4.654

Previews

White Background



This preview shows how the CIELCh color 46, 75.423, 17.259 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, 75.423, 17.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

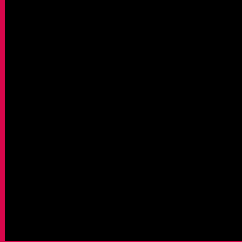
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 75.423, 17.259

Background



This preview shows how black text looks on a background with the CIELCh color 46, 75.423, 17.259.



This preview shows how white text looks on a background with the CIELCh color 46, 75.423, 17.259.

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, 75.423, 17.259

Protanopia

47, 1.017, 343.527

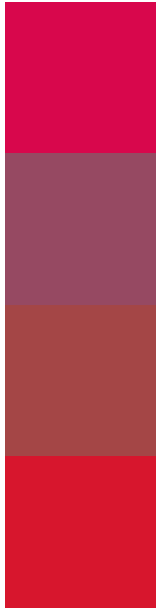
Deuteranopia

47, 27.213, 77.770



Tritanopia
46, 83.526, 36.792

Trichromacy



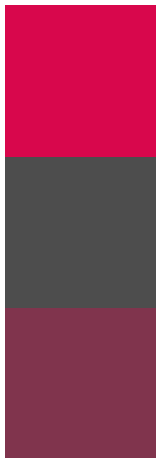
Original Color
46, 75.423, 17.259

Protanomaly
41, 35.110, 0.887

Deuteranomaly
42, 43.479, 26.559

Tritanomaly
46, 80.063, 30.658

Monochromacy



Original Color
46, 75.423, 17.259

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 35.491, 2.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 75.423, 17.259 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, 7, 76)` looks like.

```
.text, #text, p{  
    color:rgb(216, 7, 76)  
}
```

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, 7, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 7, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 75.423, 17.259 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, 7, 76) }
```

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

```
.border{ border-color:rgb(216, 7, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 7, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 7, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 7, 76);  
box-shadow:4px 4px 4px 4px rgb(216, 7, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 75.423, 17.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 7, 76) }
```

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

```
.background{ background-color: rgb(216, 7,  
76) }
```

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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