

Converting Colors

CIELCh(46, 74.846, 10.194)

Have a look what the booklet for
CIELCh(46, 74.846, 10.194) contains.

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Color

CIELCh(46, 74.650, 10.180)

Conversions

Conversions Part 1

Format	Color
Hex	D8005B
RGB	216, 0, 91
RGB Percent	85%, 0%, 36%
CMY	0.1544, 1.0000, 0.6442
CMYK	0.00, 1.00, 0.58, 0.15
HSL	335°, 100%, 42%
HSV	335°, 100%, 85%
XYZ	30.0751, 15.2687, 11.1977
YIQ	74.9580, 99.5250, 74.0930

Conversions

Conversions Part 2

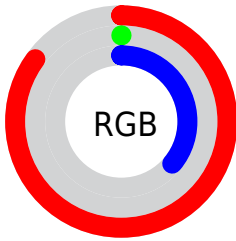
Format	Color
RYB	216, 0, 91
Decimal	14155867
CIELab	46.00, 73.47, 13.19
CIELCh	46, 74.650, 10.180
Yxy	15.2687, 0.5319, 0.2700
Android (android.graphics.Color)	4292345947 (0xFFD8005B)
YUV	74.9580, 7.9087, 123.6938
Hunter-Lab	39.0751, 69.0051, 10.3620

Details

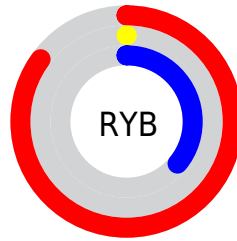
The CIELCh color **46, 74.650, 10.180** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **76, 72.341, 153.245**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.621, 5.802**, and **32, 59.588, 20.134** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.560, 10.229**, and if you desaturate by 10%, it is **47, 72.402, 5.515**.

Distribution



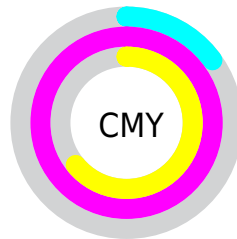
- Red (85%)
- Green (0%)
- Blue (36%)



- Red (85%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 74.650, 10.180 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, 74.650, 10.180 by changing the saturation by 10% instead.

 46, 74.650, 10.180

 46, 74.650, 10.180

 100, 74.650,
10.180

 36, 74.650, 10.180

 66, 74.650, 10.180

 26, 74.650, 10.180

 76, 74.650, 10.180

 16, 74.650, 10.180

 86, 74.650, 10.180

 6, 74.650, 10.180

 96, 74.650, 10.180

 0, 74.650, 10.180

 46, 74.650, 10.180

 46, 74.650, 10.180

 46, 74.560, 10.229

 47, 72.402, 5.515

 49, 68.784, 1.609

■ 52, 63.253,
358.529

■ 55, 56.016,
356.097

■ 59, 47.515,
354.147

■ 64, 38.235,
352.546

■ 69, 28.589,
351.200

■ 75, 18.883,
350.039

■ 80, 9.315, 349.005

Harmonies

Complementary

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



46, 74.650, 10.180



76, 72.341, 153.245

Rectangle

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



46, 74.650, 10.180



46, 74.650, 60.180



46, 74.650, 190.180



46, 74.650, 240.180

Sweetspot

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



46, 74.560, 10.229



81, 32.761, 351.236



36, 108.488, 313.406



40, 22.399, 351.785



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, 74.560, 10.229



54, 84.683, 10.771



45, 91.252, 40.601



42, 5.254, 348.947



36, 62.618, 9.332



5, 22.864, 359.401

Inverse Universe

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



46, 74.560, 10.229



54, 84.683, 10.771



74, 40.518, 207.852



42, 5.254, 348.947



36, 62.618, 9.332



5, 22.864, 359.401

Previews

White Background



This preview shows how the CIELCh color 46, 74.650, 10.180 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, 74.650, 10.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

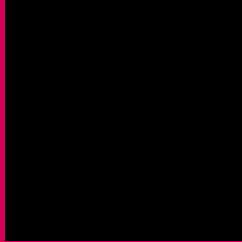
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 74.650, 10.180

Background



This preview shows how black text looks on a background with the CIELCh color 46, 74.650, 10.180.



This preview shows how white text looks on a background with the CIELCh color 46, 74.650, 10.180.

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, 74.650, 10.180

Protanopia

47, 13.061, 287.024

Deuteranopia

47, 18.349, 69.879



Tritanopia
47, 80.623, 35.431

Trichromacy



Original Color
46, 74.650, 10.180



Protanomaly
41, 40.176, 342.787



Deuteranomaly
42, 42.061, 12.864



Tritanomaly
46, 77.516, 27.023

Monochromacy



Original Color
46, 74.650, 10.180



Achromatopsia
32, 0.005, 296.813



Achromatomaly
32, 37.375, 355.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 74.650, 10.180 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, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 91)  
}
```

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, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 74.650, 10.180 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, 0, 91) }
```

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

```
.border{ border-color:rgb(216, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(216, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 74.650, 10.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 91) }
```

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

```
.background{ background-color: rgb(216, 0,  
91) }
```

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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