

Converting Colors

CIELCh(45, 74.004, 11.392)

Have a look what the booklet for
CIELCh(45, 74.004, 11.392) contains.

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Color

CIELCh(45, 73.776, 11.648)

Conversions

Conversions Part 1

Format	Color
Hex	D30056
RGB	211, 0, 86
RGB Percent	83%, 0%, 34%
CMY	0.1708, 1.0000, 0.6644
CMYK	0.00, 1.00, 0.60, 0.17
HSL	336°, 100%, 41%
HSV	336°, 100%, 83%
XYZ	28.6347, 14.5417, 10.0139
YIQ	72.8930, 98.1500, 71.4780

Conversions

Conversions Part 2

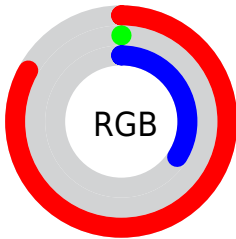
Format	Color
RYB	211, 0, 86
Decimal	13828182
CIELab	45.00, 72.26, 14.90
CIElCh	45, 73.776, 11.648
Yxy	14.5417, 0.5383, 0.2734
Android (android.graphics.Color)	4292018262 (0xFFD30056)
YUV	72.8930, 6.4618, 121.1198
Hunter-Lab	38.1336, 67.3027, 11.1239

Details

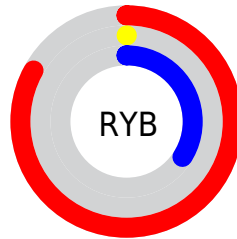
The CIELCh color **45, 73.776, 11.648** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **75, 69.939, 154.252**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.857, 8.427**, and **31, 58.912, 21.666** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.640, 11.727**, and if you desaturate by 10%, it is **46, 71.286, 6.905**.

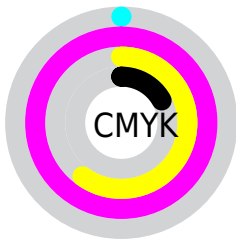
Distribution



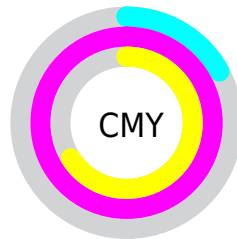
- Red (83%)
- Green (0%)
- Blue (34%)



- Red (83%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 73.776, 11.648 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 45, 73.776, 11.648 by changing the saturation by 10% instead.

 45, 73.776, 11.648

 45, 73.776, 11.648

 100, 73.776,
11.648

 35, 73.776, 11.648

 65, 73.776, 11.648

 25, 73.776, 11.648

 75, 73.776, 11.648

 15, 73.776, 11.648

 85, 73.776, 11.648

 5, 73.776, 11.648

 95, 73.776, 11.648

 0, 73.776, 11.648

 45, 73.776, 11.648

 45, 73.776, 11.648

 45, 73.640, 11.727

 46, 71.286, 6.905

 48, 67.564, 2.891

■ 51, 62.017,
359.721

■ 54, 54.840,
357.220

■ 58, 46.462,
355.219

■ 63, 37.349,
353.582

■ 68, 27.903,
352.209

■ 73, 18.415,
351.028

■ 79, 9.079, 349.980

Harmonies

Complementary

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



45, 73.776, 11.648



75, 69.939, 154.252

Rectangle

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



45, 73.776, 11.648



45, 73.776, 61.648



45, 73.776, 191.648



45, 73.776, 241.648

Sweetspot

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



45, 73.640, 11.727



81, 32.491, 352.250



36, 106.507, 313.859



40, 22.221, 352.810



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 73.640, 11.727



54, 84.921, 12.352



45, 89.612, 40.816



41, 5.100, 349.920



36, 62.039, 10.811



5, 21.026, 359.838

Inverse Universe

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



45, 73.640, 11.727



54, 84.921, 12.352



72, 39.271, 211.044



41, 5.100, 349.920



36, 62.039, 10.811



5, 21.026, 359.838

Previews

White Background



This preview shows how the CIELCh color 45, 73.776, 11.648 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 CIE LCh color 45, 73.776, 11.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

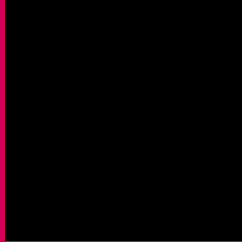
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 73.776, 11.648

Background



This preview shows how black text looks on a background with the CIELCh color 45, 73.776, 11.648.

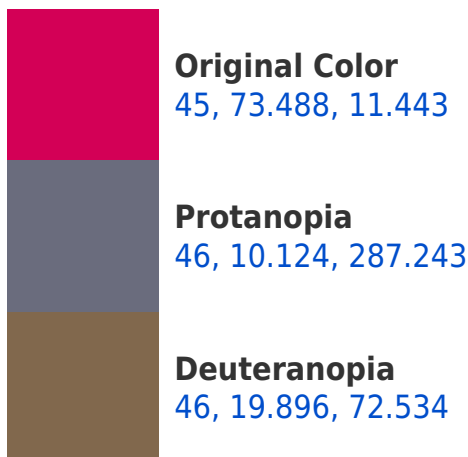


This preview shows how white text looks on a background with the CIELCh color 45, 73.776, 11.648.

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





Tritanopia
46, 80.228, 35.917

Trichromacy



Original Color
45, 73.488, 11.443



Protanomaly
40, 38.161, 345.535



Deuteranomaly
41, 41.496, 15.785



Tritanomaly
45, 77.126, 28.090

Monochromacy



Original Color
45, 73.488, 11.443



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 36.912, 356.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 73.776, 11.648 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(211, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 86)  
}
```

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(211, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 73.776, 11.648 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(211, 0, 86) }
```

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

```
.border{ border-color:rgb(211, 0, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(211, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 73.776, 11.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 86) }
```

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

```
.background{ background-color: rgb(211, 0,  
86) }
```

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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