

Converting Colors

CIELCh(45, 74.072, 14.005)

Have a look what the booklet for
CIELCh(45, 74.072, 14.005) contains.

CIELCh(45, 74.153, 13.949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 74.153, 13.949)

Conversions

Conversions Part 1

Format	Color
Hex	D40051
RGB	212, 0, 81
RGB Percent	83%, 0%, 32%
CMY	0.1695, 1.0000, 0.6830
CMYK	0.00, 1.00, 0.62, 0.17
HSL	337°, 100%, 42%
HSV	337°, 100%, 83%
XYZ	28.5603, 14.5417, 9.0546
YIQ	72.6220, 100.3510, 70.1350

Conversions

Conversions Part 2

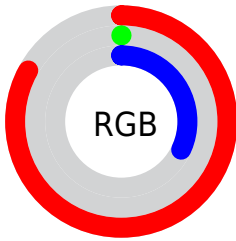
Format	Color
RYB	212, 0, 81
Decimal	13893713
CIELab	45.00, 71.97, 17.88
CIElCh	45, 74.153, 13.949
Yxy	14.5417, 0.5476, 0.2788
Android (android.graphics.Color)	4292083793 (0xFFD40051)
YUV	72.6220, 4.1304, 122.2345
Hunter-Lab	38.1336, 66.9546, 12.6154

Details

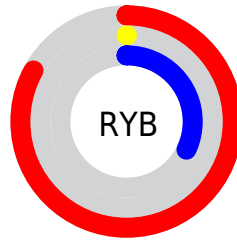
The CIELCh color **45, 74.153, 13.949** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **75, 68.150, 155.724**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.893, 10.798**, and **31, 59.956, 24.556** is the 20% darker color. If you saturate the color by 10%, you get **45, 74.102, 13.980**, and if you desaturate by 10%, it is **46, 71.430, 8.990**.

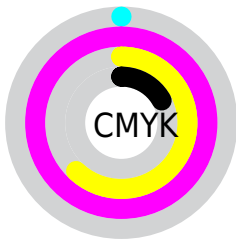
Distribution



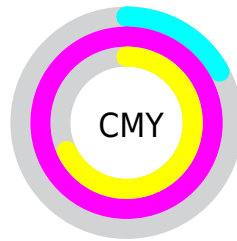
- Red (83%)
- Green (0%)
- Blue (32%)



- Red (83%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 74.153, 13.949 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, 74.153, 13.949 by changing the saturation by 10% instead.

45, 74.153, 13.949

45, 74.153, 13.949

100, 74.153,
13.949

35, 74.153, 13.949

65, 74.153, 13.949

25, 74.153, 13.949

75, 74.153, 13.949

15, 74.153, 13.949

85, 74.153, 13.949

5, 74.153, 13.949

95, 74.153, 13.949

0, 74.153, 13.949

45, 74.153, 13.949

45, 74.153, 13.949

45, 74.102, 13.980

46, 71.430, 8.990

48, 67.478, 4.809

■ 51, 61.783, 1.500

■ 54, 54.525,
358.891

■ 58, 46.117,
356.811

■ 63, 37.018,
355.116

■ 68, 27.620,
353.702

■ 74, 18.207,
352.492

■ 79, 8.967, 351.423

Harmonies

Complementary

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



45, 74.153, 13.949



75, 68.150, 155.724

Rectangle

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



45, 74.153, 13.949



45, 74.153, 63.949



45, 74.153, 193.949



45, 74.153, 243.949

Sweetspot

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



45, 74.102, 13.980



81, 32.120, 353.744



37, 105.888, 314.774



40, 21.980, 354.320



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, 74.102, 13.980



54, 85.396, 14.618



45, 89.018, 41.323



42, 5.131, 351.364



36, 63.007, 13.098



5, 22.626, 1.753

Inverse Universe

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



45, 74.102, 13.980



54, 85.396, 14.618



70, 38.346, 217.816



42, 5.131, 351.364



36, 63.007, 13.098



5, 22.626, 1.753

Previews

White Background



This preview shows how the CIELCh color 45, 74.153, 13.949 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 45, 74.153, 13.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

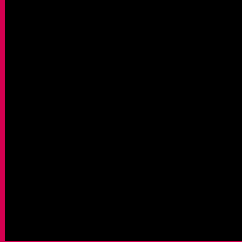
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 74.153, 13.949

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.153, 13.949.



This preview shows how white text looks on a background with the CIELCh color 45, 74.153, 13.949.

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

45, 74.153, 13.949

Protanopia

46, 5.950, 291.006

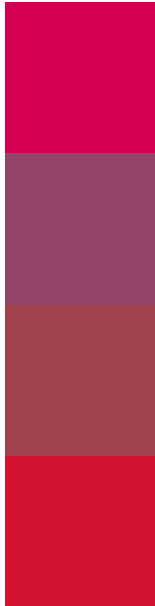
Deuteranopia

46, 22.692, 75.174



Tritanopia
45, 81.038, 36.233

Trichromacy



Original Color
45, 74.153, 13.949

Protanomaly
40, 36.961, 352.119

Deuteranomaly
41, 42.382, 19.994

Tritanomaly
45, 78.061, 29.060

Monochromacy



Original Color
45, 74.153, 13.949

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 36.603, 358.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.153, 13.949 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(212, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 81)  
}
```

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(212, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.153, 13.949 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(212, 0, 81) }
```

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

```
.border{ border-color:rgb(212, 0, 81) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.153, 13.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 81) }
```

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

```
.background{ background-color: rgb(212, 0,  
81) }
```

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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