

Converting Colors

CIELCh(44, 74.097, 16.957)

Have a look what the booklet for
CIELCh(44, 74.097, 16.957) contains.

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Color

CIELCh(44, 73.781, 16.871)

Conversions

Conversions Part 1

Format	Color
Hex	D00049
RGB	208, 0, 73
RGB Percent	82%, 0%, 29%
CMY	0.1853, 1.0000, 0.7144
CMYK	0.00, 1.00, 0.65, 0.19
HSL	339°, 100%, 41%
HSV	339°, 100%, 81%
XYZ	27.1339, 13.8382, 7.5141
YIQ	70.5140, 100.5350, 66.7990

Conversions

Conversions Part 2

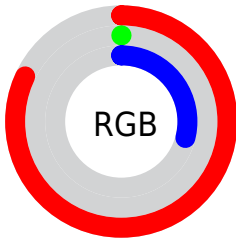
Format	Color
R_{YB}	208, 0, 73
Decimal	13631561
CIE _{Lab}	44.00, 70.61, 21.41
CIE _{LCh}	44, 73.781, 16.871
Yxy	13.8382, 0.5596, 0.2854
Android (android.graphics.Color)	4291821641 (0xFFD00049)
YUV	70.5140, 1.2256, 120.5752
Hunter-Lab	37.1997, 65.1001, 14.0636

Details

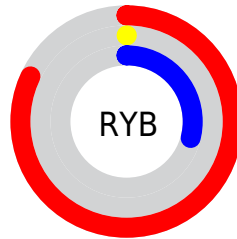
The CIELCh color **44, 73.781, 16.871** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **74, 64.658, 157.878**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 67.619, 14.804**, and **30, 60.169, 27.759** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.727, 16.907**, and if you desaturate by 10%, it is **45, 70.620, 11.754**.

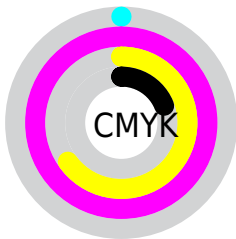
Distribution



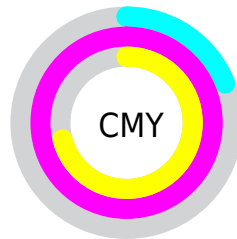
- Red (82%)
- Green (0%)
- Blue (29%)



- Red (82%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (19%)



- Cyan (19%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 73.781, 16.871 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 44, 73.781, 16.871 by changing the saturation by 10% instead.

 44, 73.781, 16.871

 44, 73.781, 16.871

 100, 73.781,
16.871

 34, 73.781, 16.871

 64, 73.781, 16.871

 24, 73.781, 16.871

 74, 73.781, 16.871

 14, 73.781, 16.871

 84, 73.781, 16.871

 4, 73.781, 16.871

 94, 73.781, 16.871

 0, 73.781, 16.871

 44, 73.781, 16.871

 44, 73.781, 16.871

 44, 73.727, 16.907

 45, 70.620, 11.754

 47, 66.379, 7.386

■ 50, 60.539, 3.913

■ 53, 53.260, 1.177

■ 57, 44.931,
359.001

■ 62, 35.987,
357.237

■ 67, 26.799,
355.774

■ 72, 17.637,
354.530

■ 78, 8.673, 353.437

Harmonies

Complementary

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



44, 73.781, 16.871



74, 64.658, 157.878

Rectangle

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



44, 73.781, 16.871



44, 73.781, 66.871



44, 73.781, 196.871



44, 73.781, 246.871

Sweetspot

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



44, 73.727, 16.907



81, 31.658, 355.822



37, 104.007, 315.264



40, 21.680, 356.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 73.727, 16.907



54, 86.285, 17.638



45, 87.308, 41.654



41, 4.942, 353.376



35, 62.829, 16.001



5, 20.714, 2.911

Inverse Universe

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



44, 73.727, 16.907



54, 86.285, 17.638



67, 37.505, 221.315



41, 4.942, 353.376



35, 62.829, 16.001



5, 20.714, 2.911

Previews

White Background



This preview shows how the CIELCh color 44, 73.781, 16.871 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 44, 73.781, 16.871 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 44, 73.781, 16.871

Background



This preview shows how black text looks on a background with the CIELCh color 44, 73.781, 16.871.

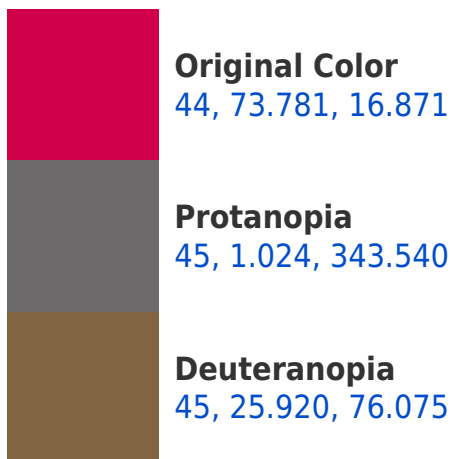


This preview shows how white text looks on a background with the CIELCh color 44, 73.781, 16.871.

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](#).

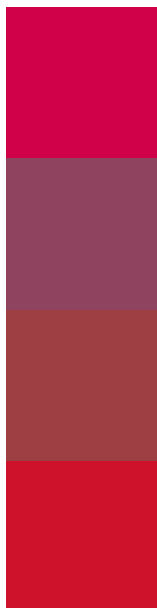
Dichromacy





Tritanopia
44, 81.009, 36.859

Trichromacy



Original Color
44, 73.781, 16.871

Protanomaly
39, 35.731, 358.463

Deuteranomaly
40, 43.407, 24.820

Tritanomaly
44, 78.067, 30.401

Monochromacy



Original Color
44, 73.781, 16.871

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 35.427, 1.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 73.781, 16.871 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(208, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(208, 0, 73)  
}
```

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(208, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 73.781, 16.871 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(208, 0, 73) }
```

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

```
.border{ border-color:rgb(208, 0, 73) }
```

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

Here you see how a box with a 4 pixel rgb(208, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(208, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 73.781, 16.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 0, 73) }
```

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

```
.background{ background-color: rgb(208, 0,  
73) }
```

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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