

Converting Colors

CIELCh(45, 75.355, 16.619)

Have a look what the booklet for
CIELCh(45, 75.355, 16.619) contains.

CIELCh(45, 75.102, 16.853)	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, 75.102, 16.853)

Conversions

Conversions Part 1

Format	Color
Hex	D5004B
RGB	213, 0, 75
RGB Percent	84%, 0%, 29%
CMY	0.1667, 1.0000, 0.7073
CMYK	0.00, 1.00, 0.65, 0.17
HSL	339°, 100%, 42%
HSV	339°, 100%, 83%
XYZ	28.5374, 14.5417, 7.8950
YIQ	72.2370, 102.8730, 68.4810

Conversions

Conversions Part 2

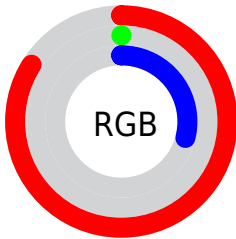
Format	Color
R_{YB}	213, 0, 75
Decimal	13959243
CIE Lab	45.00, 71.88, 21.77
CIE LCh	45, 75.102, 16.853
Yxy	14.5417, 0.5598, 0.2853
Android (android.graphics.Color)	4292149323 (0xFFD5004B)
YUV	72.2370, 1.3622, 123.4492
Hunter-Lab	38.1336, 66.8472, 14.4184

Details

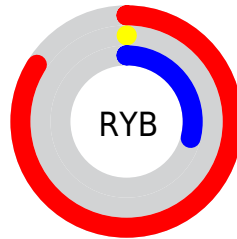
The CIELCh color **45, 75.102, 16.853** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **76, 65.859, 157.792**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.167, 14.111**, and **31, 61.521, 27.438** is the 20% darker color. If you saturate the color by 10%, you get **45, 74.991, 16.927**, and if you desaturate by 10%, it is **46, 71.862, 11.751**.

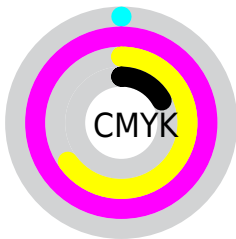
Distribution



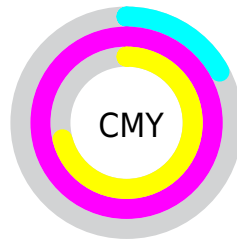
- Red (84%)
- Green (0%)
- Blue (29%)



- Red (84%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 75.102, 16.853 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, 75.102, 16.853 by changing the saturation by 10% instead.

 45, 75.102, 16.853

 45, 75.102, 16.853

 100, 75.102,
16.853

 35, 75.102, 16.853

 65, 75.102, 16.853

 25, 75.102, 16.853

 75, 75.102, 16.853

 15, 75.102, 16.853

 85, 75.102, 16.853

 5, 75.102, 16.853

 95, 75.102, 16.853

 0, 75.102, 16.853

 45, 75.102, 16.853

 45, 75.102, 16.853

 45, 74.991, 16.927

 46, 71.862, 11.751

 48, 67.570, 7.370

■ 51, 61.645, 3.887

■ 54, 54.246, 1.144

■ 58, 45.770,
358.963

■ 63, 36.663,
357.196

■ 68, 27.305,
355.731

■ 74, 17.970,
354.486

■ 79, 8.837, 353.392

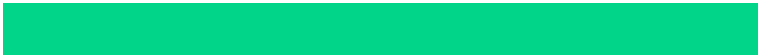
Harmonies

Complementary

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



45, 75.102, 16.853



76, 65.859, 157.792

Rectangle

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



45, 75.102, 16.853



45, 75.102, 66.853



45, 75.102, 196.853



45, 75.102, 246.853

Sweetspot

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



45, 74.991, 16.927



81, 31.668, 355.774



38, 105.794, 315.249



40, 21.687, 356.370



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, 74.991, 16.927



54, 86.262, 17.570



46, 88.831, 41.630



42, 5.043, 353.332



36, 63.532, 16.004



5, 22.474, 3.497

Inverse Universe

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



45, 74.991, 16.927



54, 86.262, 17.570



69, 38.143, 221.355



42, 5.043, 353.332



36, 63.532, 16.004



5, 22.474, 3.497

Previews

White Background



This preview shows how the CIELCh color 45, 75.102, 16.853 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, 75.102, 16.853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

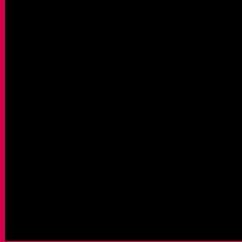
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 75.102, 16.853

Background



This preview shows how black text looks on a background with the CIELCh color 45, 75.102, 16.853.



This preview shows how white text looks on a background with the CIELCh color 45, 75.102, 16.853.

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](#).

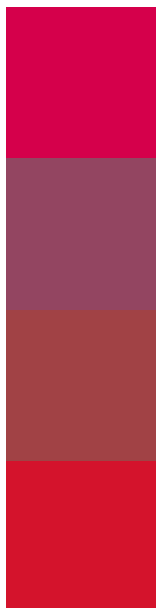
Dichromacy





Tritanopia
45, 82.452, 36.838

Trichromacy



Original Color
45, 75.102, 16.853

Protanomaly
40, 36.017, 358.735

Deuteranomaly
41, 43.692, 24.741

Tritanomaly
45, 79.526, 30.526

Monochromacy



Original Color
45, 75.102, 16.853

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 36.227, 1.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 75.102, 16.853 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(213, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 75)  
}
```

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(213, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 75.102, 16.853 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(213, 0, 75) }
```

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

```
.border{ border-color:rgb(213, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(213, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 75.102, 16.853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 75) }
```

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

```
.background{ background-color: rgb(213, 0,  
75) }
```

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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