

Converting Colors

CIELCh(45, 74.443, 18.801)

Have a look what the booklet for
CIELCh(45, 74.443, 18.801) contains.

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Color

CIELCh(45, 74.355, 18.749)

Conversions

Conversions Part 1

Format	Color
Hex	D30A47
RGB	211, 10, 71
RGB Percent	83%, 4%, 28%
CMY	0.1718, 0.9622, 0.7210
CMYK	0.00, 0.95, 0.66, 0.17
HSL	342°, 91%, 43%
HSV	342°, 95%, 83%
XYZ	28.1639, 14.5417, 7.3065
YIQ	77.0530, 100.2150, 61.5830

Conversions

Conversions Part 2

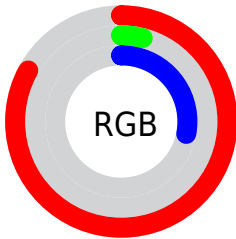
Format	Color
R _{YB}	211, 10, 71
Decimal	13830727
CIE Lab	45.00, 70.41, 23.90
CIE LCh	45, 74.355, 18.749
Yxy	14.5417, 0.5631, 0.2908
Android (android.graphics.Color)	4292020807 (0xFFD30A47)
YUV	77.0530, -2.9841, 117.4715
Hunter-Lab	38.1336, 65.0988, 15.3334

Details

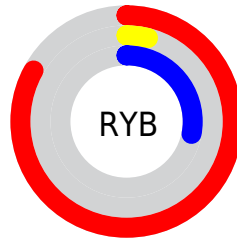
The CIELCh color **45, 74.355, 18.749** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **75, 60.527, 162.213**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.790, 16.505**, and **30, 61.551, 28.708** is the 20% darker color. If you saturate the color by 10%, you get **45, 76.102, 21.208**, and if you desaturate by 10%, it is **46, 70.212, 13.636**.

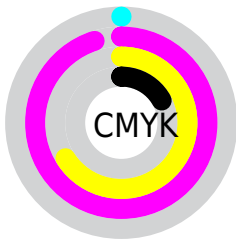
Distribution



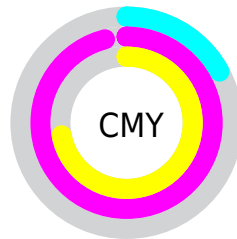
- Red (83%)
- Green (4%)
- Blue (28%)



- Red (83%)
- Yellow (4%)
- Blue (28%)



- Cyan (0%)
- Magenta (95%)
- Yellow (66%)
- Black (17%)



- Cyan (17%)
- Magenta (96%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 74.355, 18.749 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, 74.355, 18.749 by changing the saturation by 10% instead.

 45, 74.355, 18.749

 45, 74.355, 18.749

 100, 74.355,
18.749

 35, 74.355, 18.749

 65, 74.355, 18.749

 25, 74.355, 18.749

 75, 74.355, 18.749

 15, 74.355, 18.749

 85, 74.355, 18.749

 5, 74.355, 18.749

 95, 74.355, 18.749

 0, 74.355, 18.749

 45, 74.355, 18.749

 45, 74.355, 18.749

 45, 76.102, 21.208

 46, 70.212, 13.636

 49, 64.716, 9.446

■ 52, 57.793, 6.121

■ 56, 49.708, 3.498

■ 60, 40.870, 1.408

■ 65, 31.679,
359.710

■ 70, 22.448,
358.300

■ 76, 13.387,
357.097

■ 81, 4.622, 356.003

Harmonies

Complementary

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



45, 74.355, 18.749



75, 60.527, 162.213

Rectangle

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



45, 74.355, 18.749



45, 74.355, 68.749



45, 74.355, 198.749



45, 74.355, 248.749

Sweetspot

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



45, 74.352, 18.751



81, 29.993, 358.818



40, 102.805, 317.046



41, 20.690, 359.436



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, 74.352, 18.751



54, 88.059, 21.889



47, 83.828, 42.593



41, 4.824, 356.438



35, 63.941, 20.213



4, 20.515, 5.298

Inverse Universe

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



45, 74.352, 18.751



54, 88.059, 21.889



66, 37.573, 230.687



41, 4.824, 356.438



35, 63.941, 20.213



4, 20.515, 5.298

Previews

White Background



This preview shows how the CIELCh color 45, 74.355, 18.749 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, 74.355, 18.749 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, 74.355, 18.749

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.355, 18.749.



This preview shows how white text looks on a background with the CIELCh color 45, 74.355, 18.749.

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, 74.284, 18.799

Protanopia

46, 2.668, 81.913

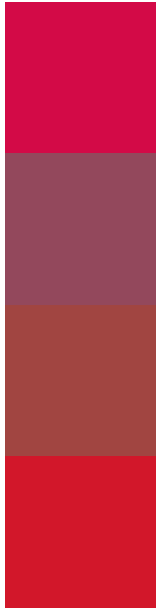
Deuteranopia

46, 28.126, 77.232



Tritanopia
45, 82.345, 37.073

Trichromacy



Original Color
45, 74.284, 18.799

Protanomaly
41, 33.899, 5.092

Deuteranomaly
42, 43.493, 29.450

Tritanomaly
45, 78.919, 31.431

Monochromacy



Original Color
45, 74.284, 18.799

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 34.058, 3.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.355, 18.749 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, 10, 71)` looks like.

```
.text, #text, p{  
  color:rgb(211, 10, 71)  
}
```

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, 10, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 10, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.355, 18.749 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, 10, 71) }
```

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

```
.border{ border-color:rgb(211, 10, 71) }
```

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

Here you see how a box with a 4 pixel rgb(211, 10, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 10, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 10, 71);  
box-shadow:4px 4px 4px 4px rgb(211, 10,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.355, 18.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 10, 71) }
```

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

```
.background{ background-color: rgb(211, 10,  
71) }
```

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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