

Converting Colors

CIELCh(45, 74.246, 24.571)

Have a look what the booklet for
CIELCh(45, 74.246, 24.571) contains.

CIELCh(45, 74.175, 24.387)	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, 74.175, 24.387)

Conversions

Conversions Part 1

Format	Color
Hex	D1183C
RGB	209, 24, 60
RGB Percent	82%, 9%, 24%
CMY	0.1803, 0.9056, 0.7646
CMYK	0.00, 0.88, 0.71, 0.18
HSL	348°, 79%, 46%
HSV	348°, 88%, 82%
XYZ	27.4470, 14.5417, 5.6382
YIQ	83.4190, 98.7040, 50.4160

Conversions

Conversions Part 2

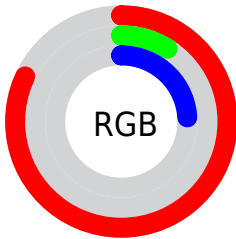
Format	Color
RYB	209, 24, 60
Decimal	13703228
CIELab	45.00, 67.56, 30.63
CIElCh	45, 74.175, 24.387
Yxy	14.5417, 0.5763, 0.3053
Android (android.graphics.Color)	4291893308 (0xFFD1183C)
YUV	83.4190, -11.5456, 110.1345
Hunter-Lab	38.1336, 61.7433, 17.9273

Details

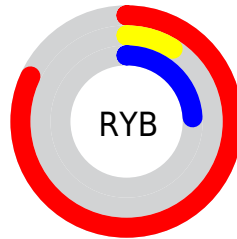
The CIELCh color **45, 74.175, 24.387** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **75, 50.881, 173.304**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.260, 22.902**, and **30, 63.560, 33.195** is the 20% darker color. If you saturate the color by 10%, you get **44, 79.791, 29.618**, and if you desaturate by 10%, it is **47, 67.644, 19.687**.

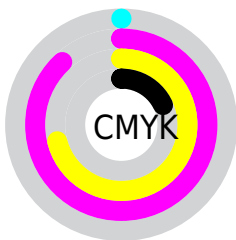
Distribution



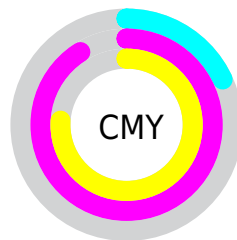
- Red (82%)
- Green (9%)
- Blue (24%)



- Red (82%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (88%)
- Yellow (71%)
- Black (18%)



- Cyan (18%)
- Magenta (91%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 74.175, 24.387 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, 74.175, 24.387 by changing the saturation by 10% instead.

 45, 74.175, 24.387

 45, 74.175, 24.387

 100, 74.175,
24.387

 35, 74.175, 24.387

 65, 74.175, 24.387

 25, 74.175, 24.387

 75, 74.175, 24.387


 15, 74.175, 24.387

 85, 74.175, 24.387

 5, 74.175, 24.387

 95, 74.175, 24.387

 0, 74.175, 24.387

 45, 74.175, 24.387

 45, 74.175, 24.387

 44, 79.791, 29.618

 47, 67.644, 19.687

 44, 80.645, 30.362

 50, 60.067, 15.814

■ 53, 51.603, 12.730

■ 58, 42.581, 10.297

■ 63, 33.353, 8.362

■ 68, 24.208, 6.798

■ 73, 15.340, 5.505

■ 79, 6.858, 4.391

■ 85, 1.190, 184.001

Harmonies

Complementary

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



45, 74.175, 24.387



75, 50.881, 173.304

Rectangle

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



45, 74.175, 24.387



45, 74.175, 74.387



45, 74.175, 204.387



45, 74.175, 254.387

Sweetspot

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



45, 74.172, 24.389



82, 26.897, 6.634



44, 97.884, 321.143



41, 18.260, 7.127



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, 74.172, 24.389



53, 94.268, 31.030



51, 73.437, 48.316



41, 4.601, 4.491



35, 68.084, 29.463



4, 20.201, 10.467

Inverse Universe

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



45, 74.172, 24.389



53, 94.268, 31.030



60, 39.639, 250.965



41, 4.601, 4.491



35, 68.084, 29.463



4, 20.201, 10.467

Previews

White Background



This preview shows how the CIELCh color 45, 74.175, 24.387 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, 74.175, 24.387 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, 74.175, 24.387

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.175, 24.387.



This preview shows how white text looks on a background with the CIELCh color 45, 74.175, 24.387.

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, 74.175, 24.387

Protanopia

45, 11.670, 93.268

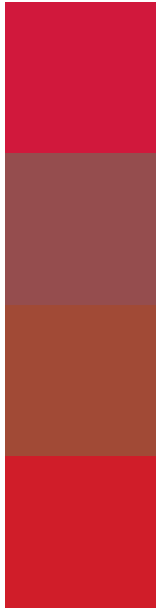
Deuteranopia

46, 34.432, 80.610



Tritanopia
45, 80.298, 36.173

Trichromacy



Original Color
45, 74.175, 24.387

Protanomaly
42, 32.931, 23.554

Deuteranomaly
42, 45.077, 39.990

Tritanomaly
45, 77.736, 32.292

Monochromacy



Original Color
45, 74.175, 24.387

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 30.809, 10.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.175, 24.387 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(209, 24, 60)` looks like.

```
.text, #text, p{  
    color:rgb(209, 24, 60)  
}
```

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(209, 24, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 24, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.175, 24.387 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(209, 24, 60) }
```

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

```
.border{ border-color:rgb(209, 24, 60) }
```

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

Here you see how a box with a 4 pixel rgb(209, 24, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 24, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 24, 60);  
box-shadow:4px 4px 4px 4px rgb(209, 24,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.175, 24.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 24, 60) }
```

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

```
.background{ background-color: rgb(209, 24,  
60) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor