

Converting Colors

CIELCh(45, 74.998, 34.077)

Have a look what the booklet for
CIELCh(45, 74.998, 34.077) contains.

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Color

CIELCh(45, 74.851, 34.036)

Conversions

Conversions Part 1

Format	Color
Hex	CC2828
RGB	204, 40, 40
RGB Percent	80%, 16%, 16%
CMY	0.1994, 0.8424, 0.8427
CMYK	0.00, 0.80, 0.80, 0.20
HSL	0°, 67%, 48%
HSV	0°, 80%, 80%
XYZ	26.0924, 14.5417, 3.4484
YIQ	89.0360, 97.7440, 34.7680

Conversions

Conversions Part 2

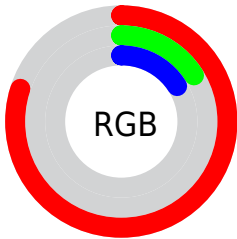
Format	Color
RYB	204, 40, 40
Decimal	13379624
CIELab	45.00, 62.03, 41.90
CIElCh	45, 74.851, 34.036
Yxy	14.5417, 0.5919, 0.3299
Android (android.graphics.Color)	4291569704 (0xFFCC2828)
YUV	89.0360, -24.1747, 100.8234
Hunter-Lab	38.1336, 55.4025, 21.3320

Details

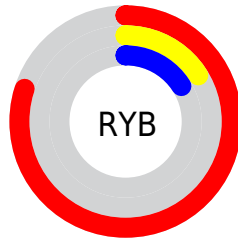
The CIELCh color **45, 74.851, 34.036** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **75, 40.417, 196.583**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.640, 34.012**, and **29, 66.402, 39.083** is the 20% darker color. If you saturate the color by 10%, you get **43, 82.947, 37.480**, and if you desaturate by 10%, it is **48, 65.294, 30.562**.

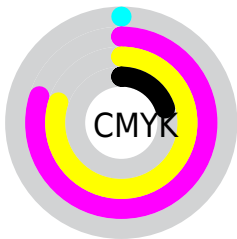
Distribution



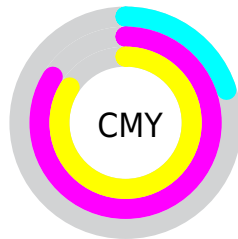
- Red (80%)
- Green (16%)
- Blue (16%)



- Red (80%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (20%)



- Cyan (20%)
- Magenta (84%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 74.851, 34.036 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, 74.851, 34.036 by changing the saturation by 10% instead.

 45, 74.851, 34.036

 45, 74.851, 34.036

 100, 74.851,
34.036

 35, 74.851, 34.036

 65, 74.851, 34.036

 25, 74.851, 34.036

 75, 74.851, 34.036

 15, 74.851, 34.036

 85, 74.851, 34.036

 5, 74.851, 34.036

 95, 74.851, 34.036

 0, 74.851, 34.036

 45, 74.851, 34.036

 45, 74.851, 34.036

 43, 82.947, 37.480

 48, 65.294, 30.562

 43, 88.431, 40.005

 51, 55.168, 27.588

■ 55, 44.935, 25.217

■ 60, 34.923, 23.384

■ 65, 25.359, 21.980

■ 71, 16.371, 20.899

■ 76, 8.008, 20.041

■ 82, 0.266, 17.362

■ 88, 6.894, 199.054

Harmonies

Complementary

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



45, 74.851, 34.036



75, 40.417, 196.583

Rectangle

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



45, 74.851, 34.036



45, 74.851, 84.036



45, 74.851, 214.036



45, 74.851, 264.036

Sweetspot

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



45, 74.848, 34.038



84, 23.476, 21.294



50, 91.557, 328.015



42, 16.350, 21.691



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, 74.848, 34.038



53, 102.574, 39.214



59, 60.972, 64.850



40, 4.367, 19.965



34, 75.547, 39.829



4, 17.905, 19.430

Inverse Universe

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



75, 40.417, 196.583



91, 49.876, 196.473



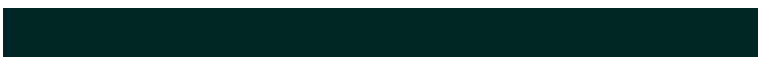
50, 49.565, 275.667



42, 4.117, 199.020



62, 36.275, 196.462



13, 13.506, 196.447

Previews

White Background



This preview shows how the CIELCh color 45, 74.851, 34.036 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, 74.851, 34.036 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, 74.851, 34.036

Background



This preview shows how black text looks on a background with the CIELCh color 45, 74.851, 34.036.



This preview shows how white text looks on a background with the CIELCh color 45, 74.851, 34.036.

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, 74.851, 34.036

Protanopia

45, 28.876, 96.683

Deuteranopia

45, 45.354, 82.746



Tritanopia
45, 74.851, 34.036

Trichromacy



Original Color
45, 74.851, 34.036

Protanomaly
42, 38.641, 50.550

Deuteranomaly
43, 51.592, 54.753

Tritanomaly
45, 74.851, 34.036

Monochromacy



Original Color
45, 74.851, 34.036

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 27.958, 24.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 74.851, 34.036 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(204, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(204, 40, 40)  
}
```

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(204, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 40, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 74.851, 34.036 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(204, 40, 40) }
```

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

```
.border{ border-color:rgb(204, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(204, 40,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 74.851, 34.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 40, 40) }
```

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

```
.background{ background-color: rgb(204, 40,  
40) }
```

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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