

Converting Colors

CIELCh(43, 72.353, 18.485)

Have a look what the booklet for
CIELCh(43, 72.353, 18.485) contains.

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Color

CIELCh(43, 72.475, 18.560)

Conversions

Conversions Part 1

Format	Color
Hex	CB0444
RGB	203, 4, 68
RGB Percent	80%, 2%, 27%
CMY	0.2051, 0.9837, 0.7342
CMYK	0.00, 0.98, 0.67, 0.21
HSL	341°, 96%, 41%
HSV	341°, 98%, 79%
XYZ	25.6272, 13.1578, 6.6230
YIQ	70.7970, 98.0600, 62.0920

Conversions

Conversions Part 2

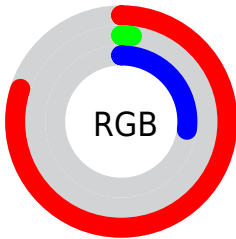
Format	Color
RYB	203, 4, 68
Decimal	13304900
CIELab	43.00, 68.71, 23.07
CIElCh	43, 72.475, 18.560
Yxy	13.1578, 0.5644, 0.2898
Android (android.graphics.Color)	4291494980 (0xFFCB0444)
YUV	70.7970, -1.3789, 115.9420
Hunter-Lab	36.2736, 62.6306, 14.5660

Details

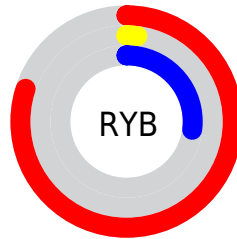
The CIELCh color **43, 72.475, 18.560** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 60.492, 160.548**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.330, 16.879**, and **29, 59.342, 29.175** is the 20% darker color. If you saturate the color by 10%, you get **43, 73.215, 19.632**, and if you desaturate by 10%, it is **44, 68.874, 13.376**.

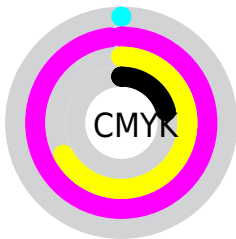
Distribution



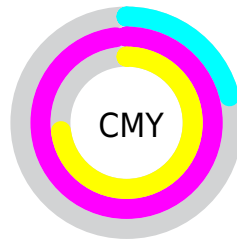
- Red (80%)
- Green (2%)
- Blue (27%)



- Red (80%)
- Yellow (2%)
- Blue (27%)



- Cyan (0%)
- Magenta (98%)
- Yellow (67%)
- Black (21%)



- Cyan (21%)
- Magenta (98%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 72.475, 18.560 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 43, 72.475, 18.560 by changing the saturation by 10% instead.

 43, 72.475, 18.560

 43, 72.475, 18.560

 100, 72.475,
18.560

 33, 72.475, 18.560

 63, 72.475, 18.560

 23, 72.475, 18.560

 73, 72.475, 18.560

 13, 72.475, 18.560

 83, 72.475, 18.560

 3, 72.475, 18.560

 93, 72.475, 18.560

 0, 72.475, 18.560

 43, 72.475, 18.560

 43, 72.475, 18.560

 43, 73.215, 19.632

 44, 68.874, 13.376

 46, 64.058, 9.056

■ 49, 57.790, 5.618

■ 53, 50.274, 2.907

■ 57, 41.896, 0.749

■ 61, 33.060,
359.001

■ 66, 24.096,
357.551

■ 72, 15.237,
356.319

■ 77, 6.625, 355.228

Harmonies

Complementary

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



43, 72.475, 18.560



73, 60.492, 160.548

Rectangle

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



43, 72.475, 18.560



43, 72.475, 68.560



43, 72.475, 198.560



43, 72.475, 248.560

Sweetspot

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



43, 72.472, 18.562



81, 30.177, 357.745



37, 100.725, 316.395



41, 20.808, 358.355



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 72.472, 18.562



54, 87.398, 20.475



44, 83.352, 42.208



40, 4.764, 355.382



35, 62.788, 18.733



4, 18.642, 3.862

Inverse Universe

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



43, 72.472, 18.562



54, 87.398, 20.475



64, 36.512, 227.870



40, 4.764, 355.382



35, 62.788, 18.733



4, 18.642, 3.862

Previews

White Background



This preview shows how the CIELCh color 43, 72.475, 18.560 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 43, 72.475, 18.560 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 43, 72.475, 18.560

Background



This preview shows how black text looks on a background with the CIELCh color 43, 72.475, 18.560.



This preview shows how white text looks on a background with the CIELCh color 43, 72.475, 18.560.

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

43, 72.551, 18.505

Protanopia

44, 2.178, 74.669

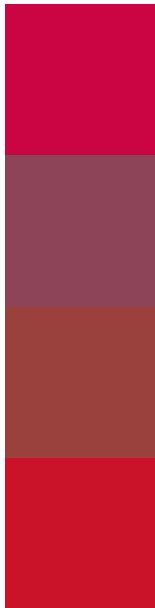
Deuteranopia

44, 27.304, 78.281



Tritanopia
43, 79.819, 37.150

Trichromacy



Original Color
43, 72.551, 18.505

Protanomaly
39, 33.802, 4.077

Deuteranomaly
40, 42.277, 28.899

Tritanomaly
43, 76.932, 31.180

Monochromacy



Original Color
43, 72.551, 18.505

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 33.972, 2.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 72.475, 18.560 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(203, 4, 68)` looks like.

```
.text, #text, p{  
    color:rgb(203, 4, 68)  
}
```

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(203, 4, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 4, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 72.475, 18.560 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(203, 4, 68) }
```

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

```
.border{ border-color:rgb(203, 4, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 4, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 4, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 4, 68);  
box-shadow:4px 4px 4px 4px rgb(203, 4, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 72.475, 18.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 4, 68) }
```

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

```
.background{ background-color: rgb(203, 4,  
68) }
```

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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