

Converting Colors

CIELCh(43, 74.738, 22.610)

Have a look what the booklet for
CIELCh(43, 74.738, 22.610) contains.

CIELCh(43, 74.691, 22.502)	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(43, 74.691, 22.502)

Conversions

Conversions Part 1

Format	Color
Hex	CC003B
RGB	204, 0, 59
RGB Percent	80%, 0%, 23%
CMY	0.1999, 0.9996, 0.7686
CMYK	0.00, 1.00, 0.71, 0.20
HSL	343°, 100%, 40%
HSV	343°, 100%, 80%
XYZ	25.6984, 13.1578, 5.3249
YIQ	67.7220, 102.6450, 61.5970

Conversions

Conversions Part 2

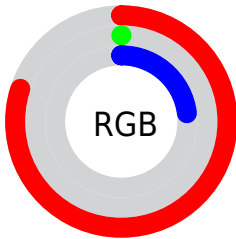
Format	Color
RYB	204, 0, 59
Decimal	13369403
CIELab	43.00, 69.00, 28.59
CIElCh	43, 74.691, 22.502
Yxy	13.1578, 0.5817, 0.2978
Android (android.graphics.Color)	4291559483 (0xFFCC003B)
YUV	67.7220, -4.2999, 119.5158
Hunter-Lab	36.2736, 62.9809, 16.6879

Details

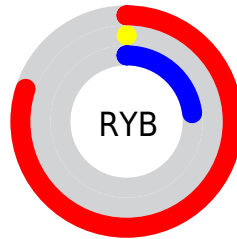
The CIELCh color **43, 74.691, 22.502** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 59.008, 162.603**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 69.774, 21.151**, and **29, 61.957, 33.180** is the 20% darker color. If you saturate the color by 10%, you get **43, 74.709, 22.531**, and if you desaturate by 10%, it is **44, 70.649, 17.162**.

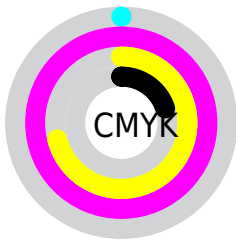
Distribution



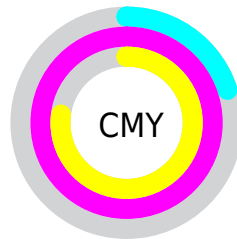
- Red (80%)
- Green (0%)
- Blue (23%)



- Red (80%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 74.691, 22.502 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, 74.691, 22.502 by changing the saturation by 10% instead.

 43, 74.691, 22.502

 43, 74.691, 22.502

 100, 74.691,
22.502

 33, 74.691, 22.502

 63, 74.691, 22.502

 23, 74.691, 22.502

 73, 74.691, 22.502

 13, 74.691, 22.502

 83, 74.691, 22.502

 3, 74.691, 22.502

 93, 74.691, 22.502

 0, 74.691, 22.502

 43, 74.691, 22.502

 43, 74.691, 22.502

 43, 74.709, 22.531

 44, 70.649, 17.162

 46, 65.700, 12.512

■ 48, 59.408, 8.770

■ 52, 51.901, 5.812

■ 56, 43.528, 3.471

■ 61, 34.685, 1.590

■ 66, 25.709, 0.047

■ 71, 16.842,
358.751

■ 77, 8.234, 357.624

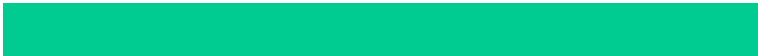
Harmonies

Complementary

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



43, 74.691, 22.502



73, 59.008, 162.603

Rectangle

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



43, 74.691, 22.502



43, 74.691, 72.502



43, 74.691, 202.502



43, 74.691, 252.502

Sweetspot

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



43, 74.688, 22.504



80, 30.883, 0.110



38, 101.243, 317.304



40, 21.187, 0.739



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, 74.688, 22.504



54, 88.820, 23.350



45, 84.034, 43.335



40, 4.689, 357.565



35, 63.683, 21.597



4, 18.506, 5.448

Inverse Universe

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



43, 74.688, 22.504



54, 88.820, 23.350



62, 37.159, 235.839



40, 4.689, 357.565



35, 63.683, 21.597



4, 18.506, 5.448

Previews

White Background



This preview shows how the CIE LCh color 43, 74.691, 22.502 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, 74.691, 22.502 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, 74.691, 22.502

Background



This preview shows how black text looks on a background with the CIELCh color 43, 74.691, 22.502.

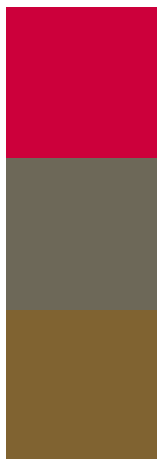


This preview shows how white text looks on a background with the CIELCh color 43, 74.691, 22.502.

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, 74.691, 22.502

Protanopia

44, 9.777, 95.853

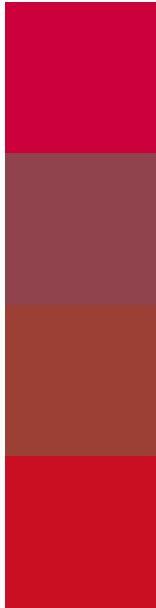
Deuteranopia

44, 32.899, 80.253



Tritanopia
43, 82.263, 37.994

Trichromacy



Original Color
43, 74.691, 22.502

Protanomaly
38, 35.343, 15.315

Deuteranomaly
39, 45.999, 34.013

Tritanomaly
43, 79.247, 33.014

Monochromacy



Original Color
43, 74.691, 22.502

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.783, 5.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 74.691, 22.502 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, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 59)  
}
```

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, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 74.691, 22.502 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, 0, 59) }
```

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

```
.border{ border-color:rgb(204, 0, 59) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 74.691, 22.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 59) }
```

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

```
.background{ background-color: rgb(204, 0,  
59) }
```

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