

Converting Colors

CIELCh(43, 76.453, 26.063)

Have a look what the booklet for
CIELCh(43, 76.453, 26.063) contains.

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Color

CIELCh(43, 76.289, 25.947)

Conversions

Conversions Part 1

Format	Color
Hex	CC0233
RGB	204, 2, 51
RGB Percent	80%, 1%, 20%
CMY	0.1989, 0.9928, 0.7992
CMYK	0.00, 0.99, 0.75, 0.20
HSL	345°, 98%, 40%
HSV	345°, 99%, 80%
XYZ	25.6018, 13.1578, 4.3449
YIQ	67.9840, 104.6630, 58.0630

Conversions

Conversions Part 2

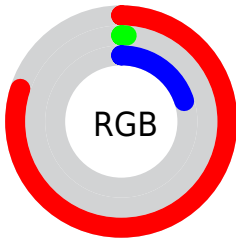
Format	Color
RYB	204, 2, 51
Decimal	13369907
CIELab	43.00, 68.60, 33.38
CIELCh	43, 76.289, 25.947
Yxy	13.1578, 0.5939, 0.3053
Android (android.graphics.Color)	4291559987 (0xFFCC0233)
YUV	67.9840, -8.3731, 119.2860
Hunter-Lab	36.2736, 62.5057, 18.2896

Details

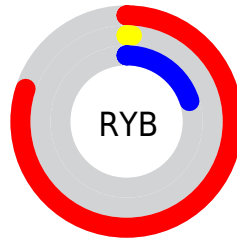
The CIELCh color **43, 76.289, 25.947** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 55.542, 166.666**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.201, 25.047**, and **29, 64.519, 36.791** is the 20% darker color. If you saturate the color by 10%, you get **43, 76.730, 26.414**, and if you desaturate by 10%, it is **44, 71.512, 20.602**.

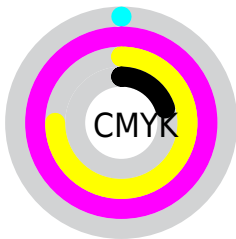
Distribution



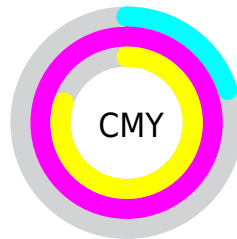
- Red (80%)
- Green (1%)
- Blue (20%)



- Red (80%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (75%)
- Black (20%)



- Cyan (20%)
- Magenta (99%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 76.289, 25.947 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, 76.289, 25.947 by changing the saturation by 10% instead.

 43, 76.289, 25.947

 43, 76.289, 25.947

 100, 76.289,
25.947

 33, 76.289, 25.947

 63, 76.289, 25.947

 23, 76.289, 25.947

 73, 76.289, 25.947

 13, 76.289, 25.947

 83, 76.289, 25.947

 3, 76.289, 25.947

 93, 76.289, 25.947

 0, 76.289, 25.947

 43, 76.289, 25.947

 43, 76.289, 25.947

 43, 76.730, 26.414

 44, 71.512, 20.602

 46, 65.849, 15.903

■ 49, 59.000, 12.085

■ 52, 51.107, 9.059

■ 56, 42.506, 6.668

■ 61, 33.569, 4.754

■ 66, 24.604, 3.195

■ 72, 15.828, 1.895

■ 77, 7.369, 0.767

Harmonies

Complementary

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



43, 76.289, 25.947



73, 55.542, 166.666

Rectangle

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



43, 76.289, 25.947



43, 76.289, 75.947



43, 76.289, 205.947



43, 76.289, 255.947

Sweetspot

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



43, 76.286, 25.949



80, 30.441, 3.381



40, 100.198, 318.982



40, 20.912, 4.025



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, 76.286, 25.949



54, 91.237, 27.214



46, 81.642, 45.046



40, 4.594, 0.800



34, 65.250, 25.486



4, 18.346, 7.584

Inverse Universe

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



43, 76.286, 25.949



54, 91.237, 27.214



59, 38.645, 246.195



40, 4.594, 0.800



34, 65.250, 25.486



4, 18.346, 7.584

Previews

White Background



This preview shows how the CIELCh color 43, 76.289, 25.947 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, 76.289, 25.947 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, 76.289, 25.947

Background



This preview shows how black text looks on a background with the CIELCh color 43, 76.289, 25.947.



This preview shows how white text looks on a background with the CIELCh color 43, 76.289, 25.947.

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, 76.220, 26.003

Protanopia

44, 16.346, 96.646

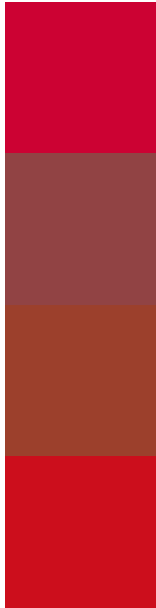
Deuteranopia

44, 37.518, 81.750



Tritanopia
43, 84.053, 38.780

Trichromacy



Original Color
43, 76.220, 26.003

Protanomaly
39, 36.369, 24.722

Deuteranomaly
39, 48.425, 39.985

Tritanomaly
43, 81.284, 34.865

Monochromacy



Original Color
43, 76.220, 26.003

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.622, 9.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 76.289, 25.947 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, 2, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 2, 51)  
}
```

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, 2, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 2, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 76.289, 25.947 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, 2, 51) }
```

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

```
.border{ border-color:rgb(204, 2, 51) }
```

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

Here you see how a box with a 4 pixel rgb(204, 2, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 2, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 2, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 2, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 76.289, 25.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 2, 51) }
```

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

```
.background{ background-color: rgb(204, 2,  
51) }
```

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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