

Converting Colors

CIELCh(43, 66.575, 18.003)

Have a look what the booklet for
CIELCh(43, 66.575, 18.003) contains.

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Color

CIELCh(43, 66.680, 18.189)

Conversions

Conversions Part 1

Format	Color
Hex	C41F47
RGB	196, 31, 71
RGB Percent	77%, 12%, 28%
CMY	0.2316, 0.8787, 0.7217
CMYK	0.00, 0.84, 0.64, 0.23
HSL	345°, 73%, 44%
HSV	345°, 84%, 77%
XYZ	24.3730, 13.1578, 7.2090
YIQ	84.8950, 85.5000, 47.4200

Conversions

Conversions Part 2

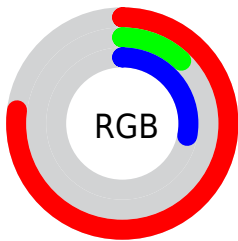
Format	Color
R_{YB}	196, 31, 71
Decimal	12853063
CIE Lab	43.00, 63.35, 20.81
CIE LCh	43, 66.680, 18.189
Yxy	13.1578, 0.5448, 0.2941
Android (android.graphics.Color)	4291043143 (0xFFC41F47)
YUV	84.8950, -6.8502, 97.4391
Hunter-Lab	36.2736, 56.4592, 13.6083

Details

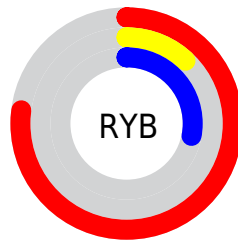
The CIELCh color **43, 66.680, 18.189** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71, 49.916, 169.695**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.148, 17.880**, and **27, 56.924, 27.317** is the 20% darker color. If you saturate the color by 10%, you get **42, 71.651, 23.281**, and if you desaturate by 10%, it is **45, 60.604, 13.952**.

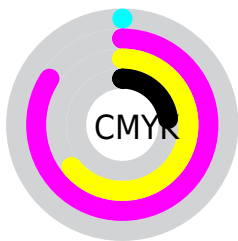
Distribution



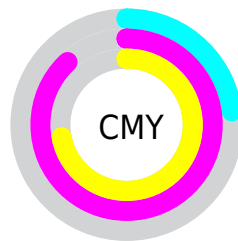
- Red (77%)
- Green (12%)
- Blue (28%)



- Red (77%)
- Yellow (12%)
- Blue (28%)



- Cyan (0%)
- Magenta (84%)
- Yellow (64%)
- Black (23%)



- Cyan (23%)
- Magenta (88%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 66.680, 18.189 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, 66.680, 18.189 by changing the saturation by 10% instead.

 43, 66.680, 18.189

 43, 66.680, 18.189

 100, 66.680,
18.189

 33, 66.680, 18.189

 63, 66.680, 18.189

 23, 66.680, 18.189

 73, 66.680, 18.189

 13, 66.680, 18.189

 83, 66.680, 18.189

 3, 66.680, 18.189

 93, 66.680, 18.189

 0, 66.680, 18.189

 43, 66.680, 18.189

 43, 66.680, 18.189

 42, 71.651, 23.281

 45, 60.604, 13.952

 41, 74.336, 26.344

 48, 53.428, 10.560

■ 52, 45.401, 7.880

■ 56, 36.878, 5.750

■ 61, 28.193, 4.031

■ 66, 19.598, 2.614

■ 71, 11.258, 1.414

■ 77, 3.260, 0.299

■ 82, 4.357, 179.687

Harmonies

Complementary

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



43, 66.680, 18.189



71, 49.916, 169.695

Rectangle

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



43, 66.680, 18.189



43, 66.680, 68.189



43, 66.680, 198.189



43, 66.680, 248.189

Sweetspot

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



43, 66.677, 18.191



84, 25.121, 2.768



41, 91.428, 319.661



42, 17.255, 3.255



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, 66.677, 18.191



54, 91.308, 27.314



48, 67.829, 45.450



38, 4.401, 0.883



33, 63.740, 25.432



3, 14.413, 6.404

Inverse Universe

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



43, 66.677, 18.191



54, 91.308, 27.314



60, 35.130, 239.718



38, 4.401, 0.883



33, 63.740, 25.432



3, 14.413, 6.404

Previews

White Background



This preview shows how the CIELCh color 43, 66.680, 18.189 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, 66.680, 18.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

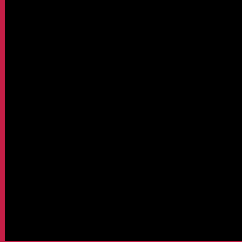
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 66.680, 18.189

Background



This preview shows how black text looks on a background with the CIELCh color 43, 66.680, 18.189.



This preview shows how white text looks on a background with the CIELCh color 43, 66.680, 18.189.

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, 66.680, 18.189

Protanopia

43, 1.723, 63.281

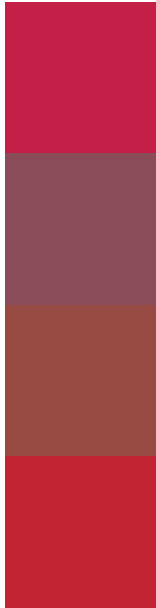
Deuteranopia

43, 24.507, 76.690



Tritanopia
43, 71.817, 33.809

Trichromacy



Original Color
43, 66.680, 18.189

Protanomaly
40, 28.010, 8.123

Deuteranomaly
41, 36.693, 32.158

Tritanomaly
43, 69.219, 28.377

Monochromacy



Original Color
43, 66.680, 18.189

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 27.813, 5.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 66.680, 18.189 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(196, 31, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 31, 71)  
}
```

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(196, 31, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 31, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 66.680, 18.189 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(196, 31, 71) }
```

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

```
.border{ border-color:rgb(196, 31, 71) }
```

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

Here you see how a box with a 4 pixel rgb(196, 31, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 31, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 31, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 31,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 66.680, 18.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 31, 71) }
```

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

```
.background{ background-color: rgb(196, 31,  
71) }
```

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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