

Converting Colors

CIELCh(43, 73.920, 20.606)

Have a look what the booklet for
CIELCh(43, 73.920, 20.606) contains.

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Color

CIELCh(43, 73.968, 20.731)

Conversions

Conversions Part 1

Format	Color
Hex	CC003F
RGB	204, 0, 63
RGB Percent	80%, 0%, 25%
CMY	0.2007, 1.0000, 0.7534
CMYK	0.00, 1.00, 0.69, 0.20
HSL	341°, 100%, 40%
HSV	341°, 100%, 80%
XYZ	25.7399, 13.1578, 5.8670
YIQ	68.1780, 101.3610, 62.8410

Conversions

Conversions Part 2

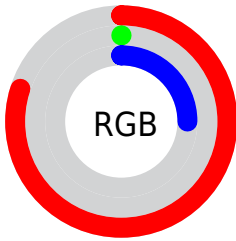
Format	Color
RYB	204, 0, 63
Decimal	13369407
CIELab	43.00, 69.18, 26.18
CIElCh	43, 73.968, 20.731
Yxy	13.1578, 0.5750, 0.2939
Android (android.graphics.Color)	4291559487 (0xFFCC003F)
YUV	68.1780, -2.5528, 119.1159
Hunter-Lab	36.2736, 63.1856, 15.8018

Details

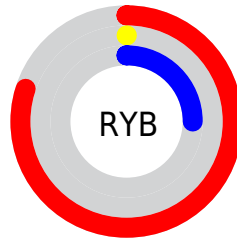
The CIELCh color **43, 73.968, 20.731** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 60.459, 161.030**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 69.262, 19.363**, and **29, 60.825, 31.330** is the 20% darker color. If you saturate the color by 10%, you get **43, 73.929, 20.760**, and if you desaturate by 10%, it is **44, 70.204, 15.461**.

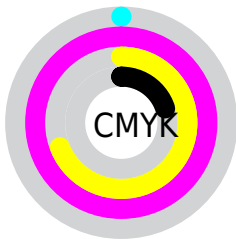
Distribution



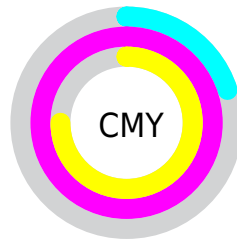
- Red (80%)
- Green (0%)
- Blue (25%)



- Red (80%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 73.968, 20.731 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, 73.968, 20.731 by changing the saturation by 10% instead.

■ 43, 73.968, 20.731

■ 43, 73.968, 20.731

■ 100, 73.968,
20.731

■ 33, 73.968, 20.731

■ 63, 73.968, 20.731

■ 23, 73.968, 20.731

■ 73, 73.968, 20.731

■ 13, 73.968, 20.731

■ 83, 73.968, 20.731

■ 3, 73.968, 20.731

■ 93, 73.968, 20.731

■ 0, 73.968, 20.731

■ 43, 73.968, 20.731

■ 43, 73.968, 20.731

■ 43, 73.929, 20.760

■ 44, 70.204, 15.461

■ 46, 65.516, 10.887

■ 48, 59.413, 7.222

■ 52, 52.030, 4.329

■ 56, 43.726, 2.036

■ 61, 34.909, 0.189

■ 66, 25.923,
358.668

■ 71, 17.018,
357.387

■ 76, 8.350, 356.268

Harmonies

Complementary

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



43, 73.968, 20.731



73, 60.459, 161.030

Rectangle

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



43, 73.968, 20.731



43, 73.968, 70.731



43, 73.968, 200.731



43, 73.968, 250.731

Sweetspot

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



43, 73.929, 20.760



80, 31.109, 358.723



38, 101.503, 316.778



40, 21.329, 359.343



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, 73.929, 20.760



54, 87.910, 21.582



44, 84.569, 42.860



40, 4.734, 356.203



35, 63.107, 19.834



4, 18.587, 4.474

Inverse Universe

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



43, 73.929, 20.760



54, 87.910, 21.582



63, 36.888, 232.189



40, 4.734, 356.203



35, 63.107, 19.834



4, 18.587, 4.474

Previews

White Background



This preview shows how the CIELCh color 43, 73.968, 20.731 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, 73.968, 20.731 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, 73.968, 20.731

Background



This preview shows how black text looks on a background with the CIELCh color 43, 73.968, 20.731.



This preview shows how white text looks on a background with the CIELCh color 43, 73.968, 20.731.

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, 73.968, 20.731

Protanopia

44, 6.774, 94.507

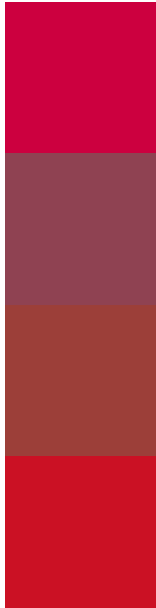
Deuteranopia

44, 30.879, 78.976



Tritanopia
43, 81.550, 37.730

Trichromacy



Original Color
43, 73.968, 20.731

Protanomaly
38, 34.812, 10.138

Deuteranomaly
39, 44.958, 31.346

Tritanomaly
43, 78.543, 32.494

Monochromacy



Original Color
43, 73.968, 20.731

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.847, 4.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 73.968, 20.731 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 73.968, 20.731 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, 63) }
```

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

```
.border{ border-color:rgb(204, 0, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 73.968, 20.731 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, 63) }
```

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

```
.background{ background-color: rgb(204, 0,  
63) }
```

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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