

Converting Colors

CIELCh(43, 80.455, 33.075)

Have a look what the booklet for
CIELCh(43, 80.455, 33.075) contains.

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Color

CIELCh(43, 80.357, 32.981)

Conversions

Conversions Part 1

Format	Color
Hex	CC0921
RGB	204, 9, 33
RGB Percent	80%, 4%, 13%
CMY	0.1993, 0.9665, 0.8701
CMYK	0.00, 0.96, 0.84, 0.20
HSL	352°, 92%, 42%
HSV	352°, 96%, 80%
XYZ	25.3194, 13.1578, 2.6529
YIQ	70.0410, 108.5160, 48.8040

Conversions

Conversions Part 2

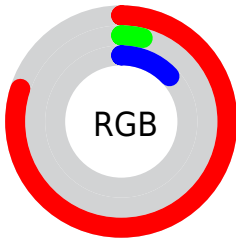
Format	Color
R_{YB}	204, 9, 33
Decimal	13371681
CIE Lab	43.00, 67.41, 43.74
CIE LCh	43, 80.357, 32.981
Yxy	13.1578, 0.6156, 0.3199
Android (android.graphics.Color)	4291561761 (0xFFCC0921)
YUV	70.0410, -18.2612, 117.4820
Hunter-Lab	36.2736, 61.1163, 21.0553

Details

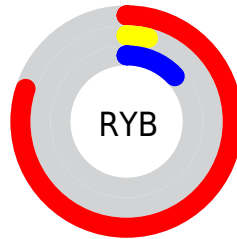
The CIELCh color **43, 80.357, 32.981** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **74, 47.452, 179.558**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.579, 32.704**, and **28, 66.016, 39.038** is the 20% darker color. If you saturate the color by 10%, you get **43, 82.861, 34.782**, and if you desaturate by 10%, it is **44, 73.785, 28.200**.

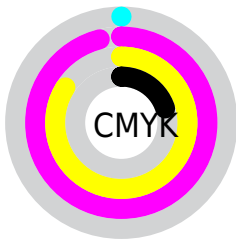
Distribution



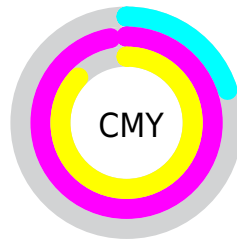
- Red (80%)
- Green (4%)
- Blue (13%)



- Red (80%)
- Yellow (4%)
- Blue (13%)



- Cyan (0%)
- Magenta (96%)
- Yellow (84%)
- Black (20%)



- Cyan (20%)
- Magenta (97%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 80.357, 32.981 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, 80.357, 32.981 by changing the saturation by 10% instead.

 43, 80.357, 32.981

 43, 80.357, 32.981

 100, 80.357,
32.981

 33, 80.357, 32.981

 63, 80.357, 32.981

 23, 80.357, 32.981

 73, 80.357, 32.981

 13, 80.357, 32.981

 83, 80.357, 32.981

 3, 80.357, 32.981

 93, 80.357, 32.981

 0, 80.357, 32.981

 43, 80.357, 32.981

 43, 80.357, 32.981

 43, 82.861, 34.782

 44, 73.785, 28.200

 46, 66.170, 23.820

■ 49, 57.717, 20.166

■ 53, 48.681, 17.248

■ 58, 39.386, 14.950

■ 63, 30.134, 13.135

■ 68, 21.154, 11.683

■ 73, 12.582, 10.494

■ 79, 4.485, 9.451

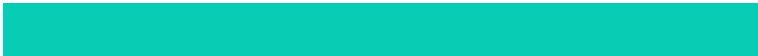
Harmonies

Complementary

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



43, 80.357, 32.981



74, 47.452, 179.558

Rectangle

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



43, 80.357, 32.981



43, 80.357, 82.981



43, 80.357, 212.981



43, 80.357, 262.981

Sweetspot

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



43, 80.354, 32.983



81, 28.744, 12.165



44, 97.799, 323.209



40, 19.948, 12.801



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, 80.354, 32.983



53, 98.671, 35.411



50, 74.658, 51.451



40, 4.421, 9.823



34, 70.380, 34.028



4, 18.041, 13.240

Inverse Universe

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



43, 80.354, 32.983



53, 98.671, 35.411



53, 45.380, 265.786



40, 4.421, 9.823



34, 70.380, 34.028



4, 18.041, 13.240

Previews

White Background



This preview shows how the CIELCh color 43, 80.357, 32.981 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 CIE LCh color 43, 80.357, 32.981 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, 80.357, 32.981

Background



This preview shows how black text looks on a background with the CIELCh color 43, 80.357, 32.981.



This preview shows how white text looks on a background with the CIELCh color 43, 80.357, 32.981.

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, 80.294, 33.035

Protanopia

44, 30.100, 96.655

Deuteranopia

44, 49.273, 83.446



Tritanopia
43, 87.109, 40.910

Trichromacy



Original Color
43, 80.294, 33.035

Protanomaly
39, 42.536, 43.105

Deuteranomaly
40, 57.810, 50.999

Tritanomaly
43, 85.000, 38.703

Monochromacy



Original Color
43, 80.294, 33.035

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 33.518, 17.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 80.357, 32.981 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, 9, 33)` looks like.

```
.text, #text, p{  
    color:rgb(204, 9, 33)  
}
```

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, 9, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 9, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 80.357, 32.981 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, 9, 33) }
```

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

```
.border{ border-color:rgb(204, 9, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 9, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 9, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 9, 33);  
box-shadow:4px 4px 4px 4px rgb(204, 9, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 80.357, 32.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 9, 33) }
```

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

```
.background{ background-color: rgb(204, 9,  
33) }
```

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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