

Converting Colors

CIELCh(47, 85.243, 30.538)

Have a look what the booklet for
CIELCh(47, 85.243, 30.538) contains.

CIELCh(47, 85.020, 30.458)	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(47, 85.020, 30.458)

Conversions

Conversions Part 1	
Format	Color
Hex	E0002C
RGB	224, 0, 44
RGB Percent	88%, 0%, 17%
CMY	0.1217, 1.0000, 0.8276
CMYK	0.00, 1.00, 0.80, 0.12
HSL	348°, 100%, 44%
HSV	348°, 100%, 88%
XYZ	31.1801, 16.0195, 3.8288
YIQ	71.9920, 119.3800, 61.1720

Conversions

Conversions Part 2

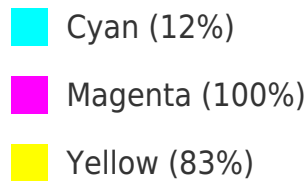
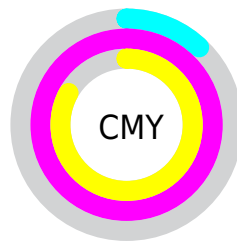
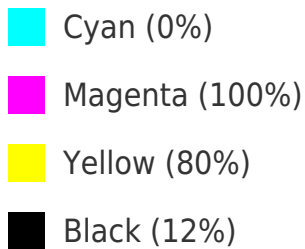
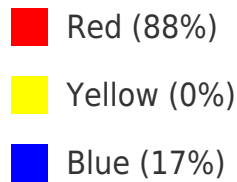
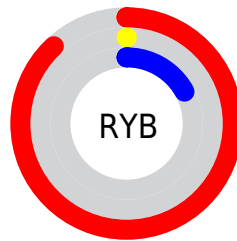
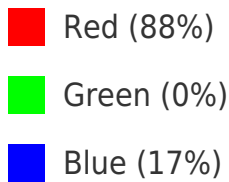
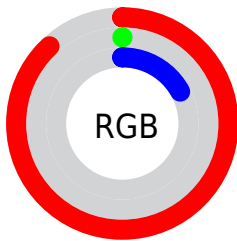
Format	Color
RYB	224, 0, 44
Decimal	14680108
CIELab	47.00, 73.29, 43.10
CIELCh	47, 85.020, 30.458
Yxy	16.0195, 0.6110, 0.3139
Android (android.graphics.Color)	4292870188 (0xFFE0002C)
YUV	71.9920, -13.8001, 133.3110
Hunter-Lab	40.0243, 69.0142, 22.3452

Details

The CIELCh color **47, 85.020, 30.458** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **80, 56.276, 170.967**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.516, 29.033**, and **33, 73.130, 39.686** is the 20% darker color. If you saturate the color by 10%, you get **47, 85.012, 30.463**, and if you desaturate by 10%, it is **48, 79.214, 25.205**.

Distribution



Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 85.020, 30.458 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 47, 85.020, 30.458 by changing the saturation by 10% instead.

 47, 85.020, 30.458  47, 85.020, 30.458

 100, 85.020, 30.458  37, 85.020, 30.458

 67, 85.020, 30.458  27, 85.020, 30.458

 77, 85.020, 30.458  17, 85.020, 30.458

 87, 85.020, 30.458  7, 85.020, 30.458

 97, 85.020, 30.458  0, 85.020, 30.458

 47, 85.020, 30.458  47, 85.020, 30.458

 47, 85.012, 30.463  48, 79.214, 25.205

 50, 72.548, 20.340

■ 53, 64.757, 16.297

■ 56, 55.970, 13.070

■ 61, 46.516, 10.525

■ 66, 36.776, 8.508

■ 71, 27.075, 6.883

■ 77, 17.638, 5.547

■ 83, 8.594, 4.408

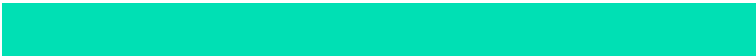
Harmonies

Complementary

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



47, 85.020, 30.458



80, 56.276, 170.967

Rectangle

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



47, 85.020, 30.458



47, 85.020, 80.458



47, 85.020, 210.458



47, 85.020, 260.458

Sweetspot

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



47, 85.012, 30.463



80, 30.095, 6.915



46, 106.805, 320.617



40, 20.708, 7.567



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 85.012, 30.463



53, 94.140, 30.885



52, 86.114, 47.014



44, 4.880, 4.348



37, 70.392, 29.515



6, 25.280, 12.627

Inverse Universe

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



47, 85.012, 30.463



53, 94.140, 30.885



61, 44.659, 256.813



44, 4.880, 4.348



37, 70.392, 29.515



6, 25.280, 12.627

Previews

White Background



This preview shows how the CIELCh color 47, 85.020, 30.458 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 47, 85.020, 30.458 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 47, 85.020, 30.458

Background



This preview shows how black text looks on a background with the CIELCh color 47, 85.020, 30.458.



This preview shows how white text looks on a background with the CIELCh color 47, 85.020, 30.458.

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

47, 85.020, 30.458

Protanopia

48, 26.601, 95.507

Deuteranopia

48, 47.672, 82.699

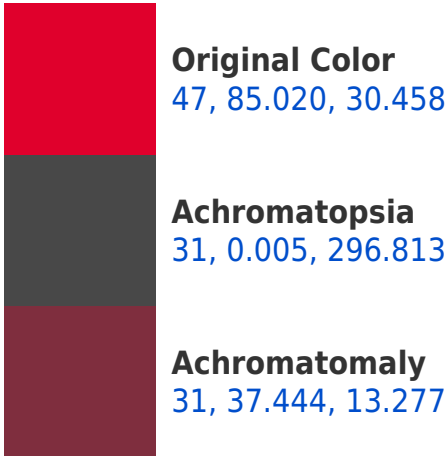


Tritanopia
47, 93.203, 40.861

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 47, 85.020, 30.458 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(224, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 44)  
}
```

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(224, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 85.020, 30.458 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(224, 0, 44) }
```

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

```
.border{ border-color:rgb(224, 0, 44) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 85.020, 30.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 44) }
```

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

```
.background{ background-color: rgb(224, 0,  
44) }
```

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