

Converting Colors

CIELCh(47, 91.124, 36.142)

Have a look what the booklet for
CIELCh(47, 91.124, 36.142) contains.

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Color

CIELCh(47, 90.710, 36.305)

Conversions

Conversions Part 1

Format	Color
Hex	E10017
RGB	225, 0, 23
RGB Percent	88%, 0%, 9%
CMY	0.1185, 1.0000, 0.9104
CMYK	0.00, 1.00, 0.90, 0.12
HSL	354°, 100%, 44%
HSV	354°, 100%, 88%
XYZ	31.1296, 16.0195, 2.2537
YIQ	69.8970, 126.7170, 54.8530

Conversions

Conversions Part 2

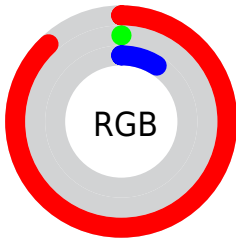
Format	Color
RYB	225, 0, 23
Decimal	14745623
CIELab	47.00, 73.10, 53.71
CIELCh	47, 90.710, 36.305
Yxy	16.0195, 0.6301, 0.3243
Android (android.graphics.Color)	4292935703 (0xFFE10017)
YUV	69.8970, -23.1202, 136.0253
Hunter-Lab	40.0243, 68.7890, 24.6785

Details

The CIELCh color **47, 90.710, 36.305** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **81, 50.207, 181.901**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 76.203, 36.064**, and **33, 73.130, 39.686** is the 20% darker color. If you saturate the color by 10%, you get **47, 90.673, 36.332**, and if you desaturate by 10%, it is **48, 84.047, 32.041**.

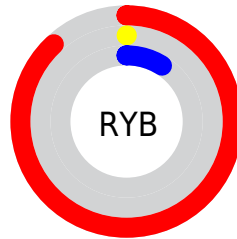
Distribution



Red (88%)

Green (0%)

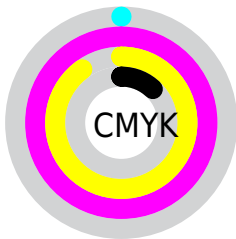
Blue (9%)



Red (88%)

Yellow (0%)

Blue (9%)

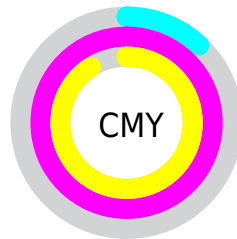


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 90.710, 36.305 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, 90.710, 36.305 by changing the saturation by 10% instead.

 47, 90.710, 36.305

 47, 90.710, 36.305

 100, 90.710,
36.305

 37, 90.710, 36.305

 67, 90.710, 36.305

 27, 90.710, 36.305

 77, 90.710, 36.305

 17, 90.710, 36.305

 87, 90.710, 36.305

 7, 90.710, 36.305

 97, 90.710, 36.305

 0, 90.710, 36.305

 47, 90.710, 36.305

 47, 90.710, 36.305

 47, 90.673, 36.332

 48, 84.047, 32.041

 50, 75.999, 27.513

■ 53, 66.929, 23.534

■ 56, 57.145, 20.288

■ 61, 46.988, 17.724

■ 66, 36.805, 15.714

■ 71, 26.875, 14.127

■ 77, 17.380, 12.854

■ 83, 8.413, 11.795

Harmonies

Complementary

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



47, 90.710, 36.305



81, 50.207, 181.901

Rectangle

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



47, 90.710, 36.305



47, 90.710, 86.305



47, 90.710, 216.305



47, 90.710, 266.305

Sweetspot

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



47, 90.673, 36.332



80, 29.788, 14.157



49, 105.961, 323.674



40, 20.566, 14.789



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, 90.673, 36.332



53, 100.103, 36.634



55, 82.463, 51.570



44, 4.762, 11.740



36, 74.859, 35.596



6, 25.345, 16.654

Inverse Universe

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



47, 90.673, 36.332



53, 100.103, 36.634



56, 52.311, 270.685



44, 4.762, 11.740



36, 74.859, 35.596



6, 25.345, 16.654

Previews

White Background



This preview shows how the CIELCh color 47, 90.710, 36.305 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, 90.710, 36.305 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, 90.710, 36.305

Background



This preview shows how black text looks on a background with the CIELCh color 47, 90.710, 36.305.



This preview shows how white text looks on a background with the CIELCh color 47, 90.710, 36.305.

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, 90.710, 36.305

Protanopia

48, 40.171, 95.755

Deuteranopia

48, 54.678, 84.340



Tritanopia
47, 93.112, 40.923

Trichromacy



Original Color
47, 90.710, 36.305

Protanomaly
42, 52.262, 48.096

Deuteranomaly
43, 65.105, 51.973

Tritanomaly
47, 92.631, 39.374

Monochromacy



Original Color
47, 90.710, 36.305

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 38.265, 20.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 90.710, 36.305 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(225, 0, 23)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 23)  
}
```

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(225, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 90.710, 36.305 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(225, 0, 23) }
```

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

```
.border{ border-color:rgb(225, 0, 23) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 90.710, 36.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 23) }
```

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

```
.background{ background-color: rgb(225, 0,  
23) }
```

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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