

Converting Colors

CIELCh(47, 85.387, 35.547)

Have a look what the booklet for
CIELCh(47, 85.387, 35.547) contains.

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Color

CIELCh(47, 85.245, 35.555)

Conversions

Conversions Part 1

Format	Color
Hex	DC191F
RGB	220, 25, 31
RGB Percent	86%, 10%, 12%
CMY	0.1371, 0.9016, 0.8783
CMYK	0.00, 0.89, 0.86, 0.14
HSL	358°, 80%, 48%
HSV	358°, 89%, 86%
XYZ	30.1247, 16.0195, 2.8027
YIQ	83.9890, 114.2940, 43.2060

Conversions

Conversions Part 2

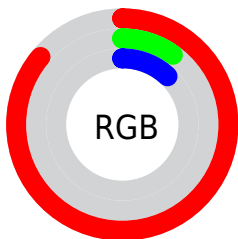
Format	Color
R_{YB}	220, 25, 31
Decimal	14424351
CIE _{Lab}	47.00, 69.35, 49.57
CIE _{LCh}	47, 85.245, 35.555
Yxy	16.0195, 0.6155, 0.3273
Android (android.graphics.Color)	4292614431 (0xFFDC191F)
YUV	83.9890, -26.1236, 119.2816
Hunter-Lab	40.0243, 64.3072, 23.8652

Details

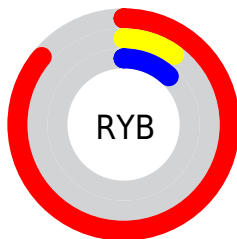
The CIELCh color **47, 85.245, 35.555** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **80, 44.979, 192.265**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.930, 35.395**, and **32, 71.668, 39.584** is the 20% darker color. If you saturate the color by 10%, you get **46, 91.598, 38.703**, and if you desaturate by 10%, it is **49, 76.460, 31.666**.

Distribution



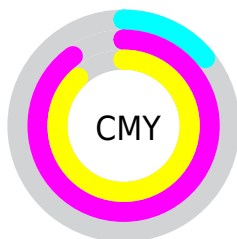
- Red (86%)
- Green (10%)
- Blue (12%)



- Red (86%)
- Yellow (10%)
- Blue (12%)



- Cyan (0%)
- Magenta (89%)
- Yellow (86%)
- Black (14%)



- Cyan (14%)
- Magenta (90%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 85.245, 35.555 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, 85.245, 35.555 by changing the saturation by 10% instead.

 47, 85.245, 35.555

 47, 85.245, 35.555

 100, 85.245,
35.555

 37, 85.245, 35.555

 67, 85.245, 35.555

 27, 85.245, 35.555

 77, 85.245, 35.555

 17, 85.245, 35.555

 87, 85.245, 35.555

 7, 85.245, 35.555

 97, 85.245, 35.555

 0, 85.245, 35.555

 47, 85.245, 35.555

 47, 85.245, 35.555

 46, 91.598, 38.703

 49, 76.460, 31.666

 46, 92.295, 39.005

 52, 66.527, 28.050

■ 56, 56.062, 25.049

■ 60, 45.474, 22.678

■ 65, 35.089, 20.841

■ 71, 25.142, 19.419

■ 77, 15.768, 18.305

■ 83, 7.021, 17.394

■ 89, 1.103, 197.324

Harmonies

Complementary

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



47, 85.245, 35.555



80, 44.979, 192.265

Rectangle

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



47, 85.245, 35.555



47, 85.245, 85.555



47, 85.245, 215.555



47, 85.245, 265.555

Sweetspot

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



47, 85.242, 35.557



82, 26.626, 19.250



52, 100.858, 326.937



41, 18.159, 19.685



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, 85.242, 35.557



53, 103.396, 39.170



60, 71.274, 60.315



43, 4.639, 17.466



36, 76.927, 38.677



5, 23.794, 18.957

Inverse Universe

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



47, 85.242, 35.557



53, 103.396, 39.170



53, 54.405, 275.819



43, 4.639, 17.466



36, 76.927, 38.677



5, 23.794, 18.957

Previews

White Background



This preview shows how the CIELCh color 47, 85.245, 35.555 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, 85.245, 35.555 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, 85.245, 35.555

Background



This preview shows how black text looks on a background with the CIELCh color 47, 85.245, 35.555.



This preview shows how white text looks on a background with the CIELCh color 47, 85.245, 35.555.

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, 85.245, 35.555

Protanopia

48, 35.715, 96.067

Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 87.512, 38.119

Trichromacy



Original Color
47, 85.245, 35.555

Protanomaly
44, 46.684, 50.304

Deuteranomaly
44, 61.813, 55.541

Tritanomaly
47, 86.665, 37.148

Monochromacy



Original Color
47, 85.245, 35.555

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 32.858, 23.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 85.245, 35.555 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(220, 25, 31)` looks like.

```
.text, #text, p{  
    color:rgb(220, 25, 31)  
}
```

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(220, 25, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 25, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 85.245, 35.555 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(220, 25, 31) }
```

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

```
.border{ border-color:rgb(220, 25, 31) }
```

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

Here you see how a box with a 4 pixel rgb(220, 25, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 25, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 25, 31);  
box-shadow:4px 4px 4px 4px rgb(220, 25,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 85.245, 35.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 25, 31) }
```

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

```
.background{ background-color: rgb(220, 25,  
31) }
```

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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