

Converting Colors

CIELCh(47, 74.775, 29.396)

Have a look what the booklet for
CIELCh(47, 74.775, 29.396) contains.

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Color

CIELCh(47, 75.002, 29.441)

Conversions

Conversions Part 1

Format	Color
Hex	D62836
RGB	214, 40, 54
RGB Percent	84%, 16%, 21%
CMY	0.1618, 0.8443, 0.7889
CMYK	0.00, 0.81, 0.75, 0.16
HSL	355°, 69%, 50%
HSV	355°, 81%, 84%
XYZ	29.0675, 16.0195, 5.0284
YIQ	93.6220, 99.2100, 41.2420

Conversions

Conversions Part 2

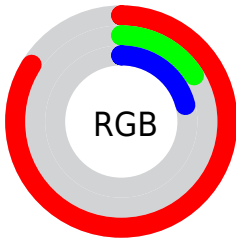
Format	Color
RYB	214, 40, 54
Decimal	14034998
CIELab	47.00, 65.32, 36.87
CIElCh	47, 75.002, 29.441
Yxy	16.0195, 0.5800, 0.3197
Android (android.graphics.Color)	4292225078 (0xFFD62836)
YUV	93.6220, -19.5336, 105.5715
Hunter-Lab	40.0243, 59.5926, 20.5682

Details

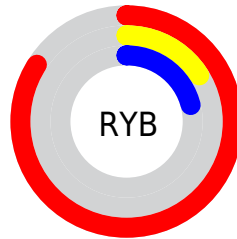
The CIELCh color **47, 75.002, 29.441** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **78, 44.638, 186.418**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.682, 28.460**, and **31, 67.572, 36.465** is the 20% darker color. If you saturate the color by 10%, you get **45, 82.794, 33.825**, and if you desaturate by 10%, it is **50, 66.129, 25.461**.

Distribution



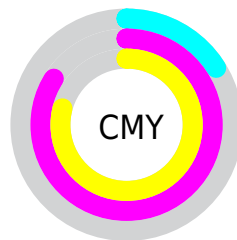
- Red (84%)
- Green (16%)
- Blue (21%)



- Red (84%)
- Yellow (16%)
- Blue (21%)



- Cyan (0%)
- Magenta (81%)
- Yellow (75%)
- Black (16%)



- Cyan (16%)
- Magenta (84%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 75.002, 29.441 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, 75.002, 29.441 by changing the saturation by 10% instead.

 47, 75.002, 29.441

 47, 75.002, 29.441

 100, 75.002,
29.441

 37, 75.002, 29.441

 67, 75.002, 29.441

 27, 75.002, 29.441

 77, 75.002, 29.441

 17, 75.002, 29.441

 87, 75.002, 29.441

 7, 75.002, 29.441

 97, 75.002, 29.441

 0, 75.002, 29.441

 47, 75.002, 29.441

 47, 75.002, 29.441

 45, 82.794, 33.825

 50, 66.129, 25.461

 45, 88.177, 37.150

 53, 56.578, 22.164

■ 57, 46.683, 19.549

■ 62, 36.778, 17.502

■ 67, 27.132, 15.895

■ 73, 17.923, 14.617

■ 79, 9.241, 13.569

■ 85, 1.114, 12.291

■ 91, 6.470, 192.199

Harmonies

Complementary

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



47, 75.002, 29.441



78, 44.638, 186.418

Rectangle

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



47, 75.002, 29.441



47, 75.002, 79.441



47, 75.002, 209.441



47, 75.002, 259.441

Sweetspot

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



47, 74.999, 29.443



84, 23.383, 14.949



50, 95.444, 325.182



42, 16.248, 15.404



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, 74.999, 29.443



53, 99.994, 36.889



58, 65.294, 57.470



42, 4.568, 13.376



35, 74.045, 36.515



5, 21.964, 16.150

Inverse Universe

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



47, 74.999, 29.443



53, 99.994, 36.889



56, 45.205, 266.156



42, 4.568, 13.376



35, 74.045, 36.515



5, 21.964, 16.150

Previews

White Background



This preview shows how the CIELCh color 47, 75.002, 29.441 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, 75.002, 29.441 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, 75.002, 29.441

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.002, 29.441.



This preview shows how white text looks on a background with the CIELCh color 47, 75.002, 29.441.

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, 75.002, 29.441

Protanopia

47, 20.968, 94.805

Deuteranopia

47, 40.202, 81.358



Tritanopia
47, 77.413, 34.075

Trichromacy



Original Color
47, 75.002, 29.441

Protanomaly
44, 34.868, 39.909

Deuteranomaly
45, 48.243, 48.786

Tritanomaly
47, 76.505, 32.526

Monochromacy



Original Color
47, 75.002, 29.441

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 28.630, 18.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.002, 29.441 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(214, 40, 54)` looks like.

```
.text, #text, p{  
    color:rgb(214, 40, 54)  
}
```

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(214, 40, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 40, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.002, 29.441 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(214, 40, 54) }
```

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

```
.border{ border-color:rgb(214, 40, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 40, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 40, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 40, 54);  
box-shadow:4px 4px 4px 4px rgb(214, 40,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.002, 29.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 40, 54) }
```

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

```
.background{ background-color: rgb(214, 40,  
54) }
```

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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