

Converting Colors

CIELCh(47, 74.898, 22.598)

Have a look what the booklet for
CIELCh(47, 74.898, 22.598) contains.

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Color

CIELCh(47, 74.792, 22.516)

Conversions

Conversions Part 1

Format	Color
Hex	D91D44
RGB	217, 29, 68
RGB Percent	85%, 11%, 27%
CMY	0.1495, 0.8869, 0.7337
CMYK	0.00, 0.87, 0.69, 0.15
HSL	348°, 77%, 48%
HSV	348°, 87%, 85%
XYZ	30.0556, 16.0195, 6.9632
YIQ	89.6580, 99.5290, 51.9850

Conversions

Conversions Part 2

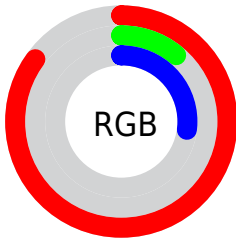
Format	Color
RYB	217, 29, 68
Decimal	14228804
CIELab	47.00, 69.09, 28.64
CIElCh	47, 74.792, 22.516
Yxy	16.0195, 0.5667, 0.3020
Android (android.graphics.Color)	4292418884 (0xFFD91D44)
YUV	89.6580, -10.6774, 111.6789
Hunter-Lab	40.0243, 63.9990, 17.7021

Details

The CIELCh color **47, 74.792, 22.516** 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 **78, 52.702, 172.285**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.810, 19.906**, and **32, 64.603, 30.888** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.450, 27.799**, and if you desaturate by 10%, it is **49, 68.083, 17.935**.

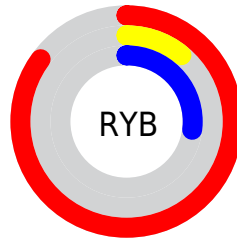
Distribution



Red (85%)

Green (11%)

Blue (27%)



Red (85%)

Yellow (11%)

Blue (27%)

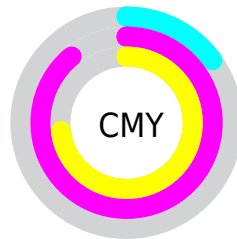


Cyan (0%)

Magenta (87%)

Yellow (69%)

Black (15%)



Cyan (15%)

Magenta (89%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 74.792, 22.516 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, 74.792, 22.516 by changing the saturation by 10% instead.

 47, 74.792, 22.516

 47, 74.792, 22.516

 100, 74.792,
22.516

 37, 74.792, 22.516

 67, 74.792, 22.516

 27, 74.792, 22.516

 77, 74.792, 22.516

 17, 74.792, 22.516

 87, 74.792, 22.516

 7, 74.792, 22.516

 97, 74.792, 22.516

 0, 74.792, 22.516

 47, 74.792, 22.516

 47, 74.792, 22.516

 46, 80.450, 27.799

 49, 68.083, 17.935

 46, 82.268, 29.493

 52, 60.259, 14.207

■ 56, 51.523, 11.253

■ 61, 42.233, 8.920

■ 66, 32.753, 7.058

■ 71, 23.373, 5.545

■ 77, 14.283, 4.286

■ 83, 5.588, 3.179

■ 89, 2.667, 182.579

Harmonies

Complementary

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



47, 74.792, 22.516



78, 52.702, 172.285

Rectangle

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



47, 74.792, 22.516



47, 74.792, 72.516



47, 74.792, 202.516



47, 74.792, 252.516

Sweetspot

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



47, 74.789, 22.518



83, 25.924, 5.482



46, 100.042, 320.644



42, 17.704, 5.973



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, 74.789, 22.518



54, 93.414, 30.038



53, 74.759, 47.397



43, 4.808, 3.477



36, 69.081, 28.579



5, 23.750, 11.286

Inverse Universe

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



47, 74.789, 22.518



54, 93.414, 30.038



63, 39.624, 247.207



43, 4.808, 3.477



36, 69.081, 28.579



5, 23.750, 11.286

Previews

White Background



This preview shows how the CIELCh color 47, 74.792, 22.516 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, 74.792, 22.516 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, 74.792, 22.516

Background



This preview shows how black text looks on a background with the CIELCh color 47, 74.792, 22.516.

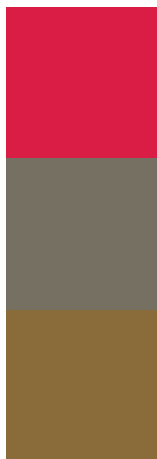


This preview shows how white text looks on a background with the CIELCh color 47, 74.792, 22.516.

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, 74.792, 22.516

Protanopia

47, 8.622, 91.692

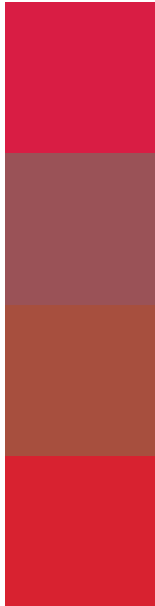
Deuteranopia

47, 32.475, 78.931



Tritanopia
47, 80.953, 35.337

Trichromacy



Original Color
47, 74.792, 22.516

Protanomaly
44, 32.176, 19.183

Deuteranomaly
44, 44.102, 37.841

Tritanomaly
47, 78.193, 30.969

Monochromacy



Original Color
47, 74.792, 22.516

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 30.944, 9.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 74.792, 22.516 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(217, 29, 68)` looks like.

```
.text, #text, p{  
    color:rgb(217, 29, 68)  
}
```

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(217, 29, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 29, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 74.792, 22.516 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(217, 29, 68) }
```

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

```
.border{ border-color:rgb(217, 29, 68) }
```

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

Here you see how a box with a 4 pixel rgb(217, 29, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 29, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 29, 68);  
box-shadow:4px 4px 4px 4px rgb(217, 29,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 74.792, 22.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 29, 68) }
```

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

```
.background{ background-color: rgb(217, 29,  
68) }
```

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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