

Converting Colors

CIELCh(47, 75.225, 14.662)

Have a look what the booklet for
CIELCh(47, 75.225, 14.662) contains.

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Color

CIELCh(47, 75.115, 14.454)

Conversions

Conversions Part 1

Format	Color
Hex	DB0D54
RGB	219, 13, 84
RGB Percent	86%, 5%, 33%
CMY	0.1403, 0.9500, 0.6699
CMYK	0.00, 0.94, 0.62, 0.14
HSL	339°, 89%, 45%
HSV	339°, 94%, 86%
XYZ	31.0312, 16.0195, 9.8796
YIQ	82.6880, 99.9850, 65.7530

Conversions

Conversions Part 2

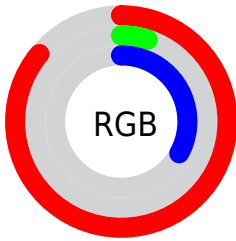
Format	Color
RYB	219, 13, 84
Decimal	14355796
CIELab	47.00, 72.74, 18.75
CIELCh	47, 75.115, 14.454
Yxy	16.0195, 0.5451, 0.2814
Android (android.graphics.Color)	4292545876 (0xFFDB0D54)
YUV	82.6880, 0.6468, 119.5456
Hunter-Lab	40.0243, 68.3501, 13.3818

Details

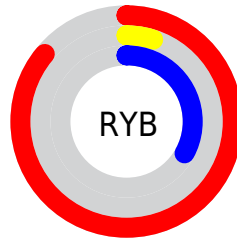
The CIELCh color **47, 75.115, 14.454** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **78, 65.046, 159.410**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.430, 10.314**, and **32, 61.829, 24.117** is the 20% darker color. If you saturate the color by 10%, you get **46, 76.952, 17.550**, and if you desaturate by 10%, it is **48, 71.310, 9.619**.

Distribution



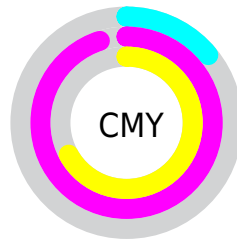
- Red (86%)
- Green (5%)
- Blue (33%)



- Red (86%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (94%)
- Yellow (62%)
- Black (14%)



- Cyan (14%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 75.115, 14.454 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, 75.115, 14.454 by changing the saturation by 10% instead.

 47, 75.115, 14.454

 47, 75.115, 14.454

 100, 75.115,
14.454

 37, 75.115, 14.454

 67, 75.115, 14.454


 27, 75.115, 14.454

 77, 75.115, 14.454

 17, 75.115, 14.454

 87, 75.115, 14.454

 7, 75.115, 14.454

 97, 75.115, 14.454

 0, 75.115, 14.454

 47, 75.115, 14.454

 47, 75.115, 14.454

 46, 76.952, 17.550

 48, 71.310, 9.619

 51, 65.911, 5.725

■ 54, 58.903, 2.653

■ 58, 50.612, 0.227

■ 63, 41.492,
358.281

■ 68, 31.968,
356.687

■ 73, 22.371,
355.347

■ 79, 12.920,
354.192

■ 85, 3.748, 353.106

Harmonies

Complementary

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



47, 75.115, 14.454



78, 65.046, 159.410

Rectangle

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



47, 75.115, 14.454



47, 75.115, 64.454



47, 75.115, 194.454



47, 75.115, 244.454

Sweetspot

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



47, 75.111, 14.456



82, 29.422, 355.864



41, 105.991, 316.111



41, 20.404, 356.457



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, 75.111, 14.456



54, 86.440, 18.077



48, 86.675, 41.524



43, 5.127, 353.684



36, 64.360, 16.574



6, 24.043, 4.435

Inverse Universe

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



47, 75.111, 14.456



54, 86.440, 18.077



70, 38.627, 223.378



43, 5.127, 353.684



36, 64.360, 16.574



6, 24.043, 4.435

Previews

White Background



This preview shows how the CIELCh color 47, 75.115, 14.454 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, 75.115, 14.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

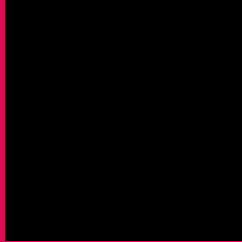
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 75.115, 14.454

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.115, 14.454.



This preview shows how white text looks on a background with the CIELCh color 47, 75.115, 14.454.

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, 75.034, 14.504

Protanopia

48, 5.912, 290.981

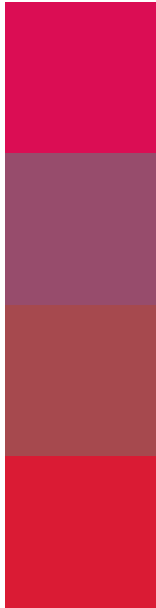
Deuteranopia

47, 23.295, 75.009



Tritanopia
47, 82.783, 36.006

Trichromacy



Original Color
47, 75.034, 14.504

Protanomaly
43, 35.460, 353.476

Deuteranomaly
43, 41.988, 22.433

Tritanomaly
47, 78.846, 28.846

Monochromacy



Original Color
47, 75.034, 14.504

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 35.440, 0.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.115, 14.454 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(219, 13, 84)` looks like.

```
.text, #text, p{  
    color:rgb(219, 13, 84)  
}
```

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(219, 13, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 13, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.115, 14.454 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(219, 13, 84) }
```

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

```
.border{ border-color:rgb(219, 13, 84) }
```

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

Here you see how a box with a 4 pixel rgb(219, 13, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 13, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 13, 84);  
box-shadow:4px 4px 4px 4px rgb(219, 13,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.115, 14.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 13, 84) }
```

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

```
.background{ background-color: rgb(219, 13,  
84) }
```

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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