

Converting Colors

CIELCh(48, 76.826, 15.058)

Have a look what the booklet for
CIELCh(48, 76.826, 15.058) contains.

CIELCh(48, 76.624, 14.865)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 76.624, 14.865)

Conversions

Conversions Part 1

Format	Color
Hex	E00C55
RGB	224, 12, 85
RGB Percent	88%, 5%, 33%
CMY	0.1207, 0.9540, 0.6661
CMYK	0.00, 0.95, 0.62, 0.12
HSL	339°, 90%, 46%
HSV	339°, 95%, 88%
XYZ	32.5792, 16.7945, 10.1511
YIQ	83.7100, 102.9190, 67.6470

Conversions

Conversions Part 2

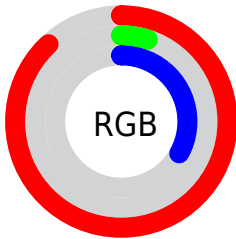
Format	Color
R_{YB}	224, 12, 85
Decimal	14683221
CIE _{Lab}	48.00, 74.06, 19.66
CIE _{LCh}	48, 76.624, 14.865
Yxy	16.7945, 0.5473, 0.2821
Android (android.graphics.Color)	4292873301 (0xFFE00C55)
YUV	83.7100, 0.6360, 123.0343
Hunter-Lab	40.9810, 70.1877, 14.0005

Details

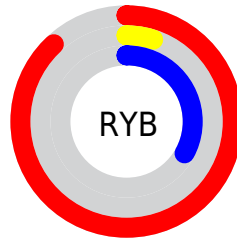
The CIELCh color **48, 76.624, 14.865** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **79, 66.376, 159.276**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.058, 10.074**, and **33, 63.408, 24.427** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.299, 17.667**, and if you desaturate by 10%, it is **49, 72.845, 9.956**.

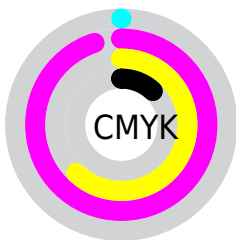
Distribution



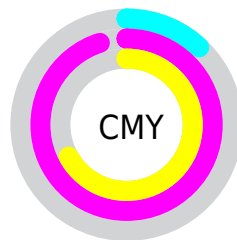
- Red (88%)
- Green (5%)
- Blue (33%)



- Red (88%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (95%)
- Yellow (62%)
- Black (12%)



- Cyan (12%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.624, 14.865 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 48, 76.624, 14.865 by changing the saturation by 10% instead.

 48, 76.624, 14.865

 48, 76.624, 14.865

 100, 76.624,
14.865

 38, 76.624, 14.865

 68, 76.624, 14.865

 28, 76.624, 14.865

 78, 76.624, 14.865

 18, 76.624, 14.865

 88, 76.624, 14.865

 8, 76.624, 14.865

 98, 76.624, 14.865

 0, 76.624, 14.865

 48, 76.624, 14.865

 48, 76.624, 14.865

 48, 78.299, 17.667

 49, 72.845, 9.956

 52, 67.461, 5.991

■ 55, 60.424, 2.864

■ 59, 52.052, 0.396

■ 64, 42.805,
358.420

■ 69, 33.122,
356.803

■ 75, 23.346,
355.448

■ 80, 13.709,
354.281

■ 86, 4.350, 353.201

Harmonies

Complementary

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



48, 76.624, 14.865



79, 66.376, 159.276

Rectangle

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



48, 76.624, 14.865



48, 76.624, 64.865



48, 76.624, 194.865



48, 76.624, 244.865

Sweetspot

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



48, 76.620, 14.867



82, 29.417, 355.888



41, 108.051, 316.063



41, 20.401, 356.481



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 76.620, 14.867



54, 86.452, 18.111



49, 88.644, 41.558



44, 5.224, 353.710



37, 65.083, 16.674



6, 25.469, 5.124

Inverse Universe

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



48, 76.620, 14.867



54, 86.452, 18.111



72, 39.317, 223.577



44, 5.224, 353.710



37, 65.083, 16.674



6, 25.469, 5.124

Previews

White Background



This preview shows how the CIELCh color 48, 76.624, 14.865 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 48, 76.624, 14.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

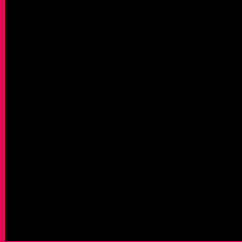
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.624, 14.865

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.624, 14.865.



This preview shows how white text looks on a background with the CIELCh color 48, 76.624, 14.865.

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

48, 76.550, 14.910

Protanopia

49, 5.297, 290.887

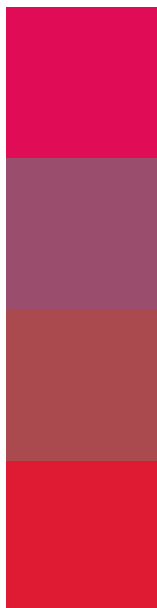
Deuteranopia

48, 24.254, 73.875



Tritanopia
48, 84.618, 36.153

Trichromacy



Original Color
48, 76.550, 14.910

Protanomaly
43, 36.618, 353.842

Deuteranomaly
44, 43.219, 22.691

Tritanomaly
48, 80.653, 29.273

Monochromacy



Original Color
48, 76.550, 14.910

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 35.770, 1.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.624, 14.865 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(224, 12, 85)` looks like.

```
.text, #text, p{  
    color:rgb(224, 12, 85)  
}
```

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(224, 12, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 12, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.624, 14.865 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(224, 12, 85) }
```

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

```
.border{ border-color:rgb(224, 12, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 12, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 12, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 12, 85);  
box-shadow:4px 4px 4px 4px rgb(224, 12,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.624, 14.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 12, 85) }
```

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

```
.background{ background-color: rgb(224, 12,  
85) }
```

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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