

Converting Colors

CIELCh(48, 76.722, 16.627)

Have a look what the booklet for
CIELCh(48, 76.722, 16.627) contains.

CIELCh(48, 76.744, 16.806)	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, 76.744, 16.806)

Conversions

Conversions Part 1

Format	Color
Hex	E00F51
RGB	224, 15, 81
RGB Percent	88%, 6%, 32%
CMY	0.1214, 0.9405, 0.6822
CMYK	0.00, 0.93, 0.64, 0.12
HSL	341°, 87%, 47%
HSV	341°, 93%, 88%
XYZ	32.4138, 16.7945, 9.3244
YIQ	85.0150, 103.3780, 64.8340

Conversions

Conversions Part 2

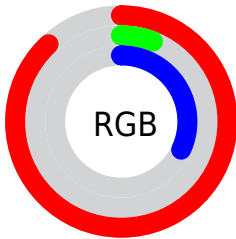
Format	Color
RYB	224, 15, 81
Decimal	14683985
CIELab	48.00, 73.47, 22.19
CIELCh	48, 76.744, 16.806
Yxy	16.7945, 0.5538, 0.2869
Android (android.graphics.Color)	4292874065 (0xFFE00F51)
YUV	85.0150, -1.9794, 121.8898
Hunter-Lab	40.9810, 69.4670, 15.1965

Details

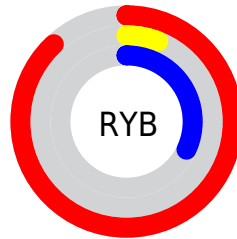
The CIELCh color **48, 76.744, 16.806** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **80, 63.463, 161.837**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.784, 12.275**, and **33, 64.331, 26.487** is the 20% darker color. If you saturate the color by 10%, you get **47, 79.266, 20.498**, and if you desaturate by 10%, it is **50, 72.308, 11.888**.

Distribution



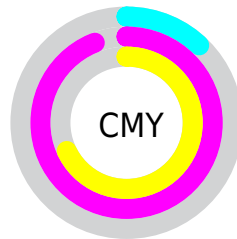
- Red (88%)
- Green (6%)
- Blue (32%)



- Red (88%)
- Yellow (6%)
- Blue (32%)



- Cyan (0%)
- Magenta (93%)
- Yellow (64%)
- Black (12%)



- Cyan (12%)
- Magenta (94%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.744, 16.806 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, 76.744, 16.806 by changing the saturation by 10% instead.

 48, 76.744, 16.806

 48, 76.744, 16.806

 100, 76.744,
16.806

 38, 76.744, 16.806

 68, 76.744, 16.806

 28, 76.744, 16.806

 78, 76.744, 16.806

 18, 76.744, 16.806

 88, 76.744, 16.806

 8, 76.744, 16.806

 98, 76.744, 16.806

 0, 76.744, 16.806

 48, 76.744, 16.806

 48, 76.744, 16.806

 47, 79.266, 20.498

 50, 72.308, 11.888

 52, 66.357, 7.907

■ 56, 58.898, 4.763

■ 60, 50.262, 2.281

■ 65, 40.898, 0.296

■ 70, 31.217,
358.675

■ 75, 21.532,
357.320

■ 81, 12.049,
356.154

■ 87, 2.887, 355.024

Harmonies

Complementary

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



48, 76.744, 16.806



80, 63.463, 161.837

Rectangle

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



48, 76.744, 16.806



48, 76.744, 66.806



48, 76.744, 196.806



48, 76.744, 246.806

Sweetspot

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



48, 76.740, 16.808



82, 29.037, 357.966



43, 106.826, 317.165



41, 20.154, 358.575



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, 76.740, 16.808



54, 87.613, 20.951



50, 86.289, 42.577



44, 5.140, 355.744



37, 65.849, 19.491



6, 25.389, 6.859

Inverse Universe

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



48, 76.740, 16.808



54, 87.613, 20.951



70, 39.145, 230.037



44, 5.140, 355.744



37, 65.849, 19.491



6, 25.389, 6.859

Previews

White Background



This preview shows how the CIELCh color 48, 76.744, 16.806 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, 76.744, 16.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

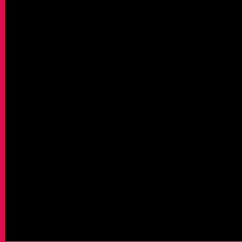
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.744, 16.806

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.744, 16.806.



This preview shows how white text looks on a background with the CIELCh color 48, 76.744, 16.806.

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](#).

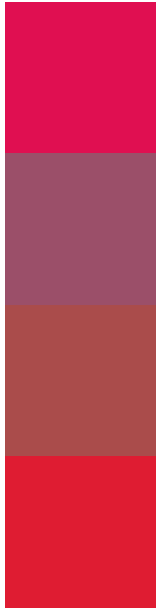
Dichromacy





Tritanopia
48, 84.880, 36.419

Trichromacy



Original Color
48, 76.744, 16.806

Protanomaly
44, 34.649, 359.218

Deuteranomaly
45, 43.185, 26.860

Tritanomaly
48, 81.033, 30.082

Monochromacy



Original Color
48, 76.744, 16.806

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 35.116, 2.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.744, 16.806 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, 15, 81)` looks like.

```
.text, #text, p{  
    color:rgb(224, 15, 81)  
}
```

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, 15, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 15, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.744, 16.806 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, 15, 81) }
```

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

```
.border{ border-color:rgb(224, 15, 81) }
```

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

Here you see how a box with a 4 pixel rgb(224, 15, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 15, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 15, 81);  
box-shadow:4px 4px 4px 4px rgb(224, 15,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.744, 16.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 15, 81) }
```

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

```
.background{ background-color: rgb(224, 15,  
81) }
```

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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