

Converting Colors

CIELCh(48, 76.931, 12.162)

Have a look what the booklet for
CIELCh(48, 76.931, 12.162) contains.

CIELCh(48, 76.987, 12.096)	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, 76.987, 12.096)

Conversions

Conversions Part 1

Format	Color
Hex	E1035B
RGB	225, 3, 91
RGB Percent	88%, 1%, 36%
CMY	0.1182, 0.9899, 0.6435
CMYK	0.00, 0.99, 0.60, 0.12
HSL	336°, 98%, 45%
HSV	336°, 99%, 88%
XYZ	32.9207, 16.7945, 11.3813
YIQ	79.4100, 104.0640, 74.4320

Conversions

Conversions Part 2

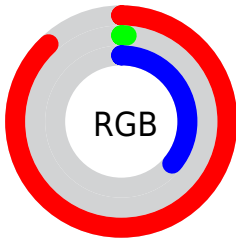
Format	Color
RYB	225, 3, 91
Decimal	14746459
CIELab	48.00, 75.28, 16.13
CIELCh	48, 76.987, 12.096
Yxy	16.7945, 0.5388, 0.2749
Android (android.graphics.Color)	4292936539 (0xFFE1035B)
YUV	79.4100, 5.7139, 127.6824
Hunter-Lab	40.9810, 71.6748, 12.2207

Details

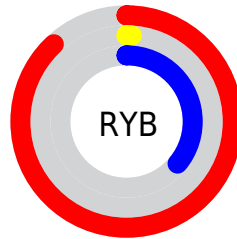
The CIELCh color **48, 76.987, 12.096** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **79, 72.286, 154.882**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.502, 6.453**, and **34, 62.731, 21.922** is the 20% darker color. If you saturate the color by 10%, you get **48, 77.274, 12.675**, and if you desaturate by 10%, it is **49, 74.410, 7.209**.

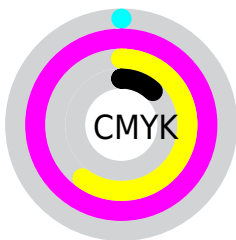
Distribution



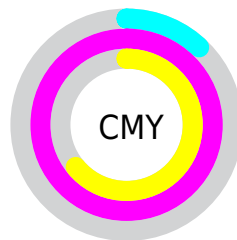
- Red (88%)
- Green (1%)
- Blue (36%)



- Red (88%)
- Yellow (1%)
- Blue (36%)



- Cyan (0%)
- Magenta (99%)
- Yellow (60%)
- Black (12%)



- Cyan (12%)
- Magenta (99%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.987, 12.096 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, 76.987, 12.096 by changing the saturation by 10% instead.

 48, 76.987, 12.096

 48, 76.987, 12.096

 100, 76.987,
12.096

 38, 76.987, 12.096

 68, 76.987, 12.096

 28, 76.987, 12.096

 78, 76.987, 12.096

 18, 76.987, 12.096

 88, 76.987, 12.096

 8, 76.987, 12.096

 98, 76.987, 12.096

 0, 76.987, 12.096

 48, 76.987, 12.096

 48, 76.987, 12.096

 48, 77.274, 12.675

 49, 74.410, 7.209

 51, 70.267, 3.202

■ 54, 64.228, 0.041

■ 58, 56.527,
357.550

■ 62, 47.622,
355.556

■ 67, 38.002,
353.924

■ 73, 28.078,
352.555

■ 78, 18.144,
351.378

■ 84, 8.393, 350.329

Harmonies

Complementary

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



48, 76.987, 12.096



79, 72.286, 154.882

Rectangle

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



48, 76.987, 12.096



48, 76.987, 62.096



48, 76.987, 192.096



48, 76.987, 242.096

Sweetspot

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



48, 76.983, 12.098



81, 32.368, 352.729



39, 110.765, 314.346



40, 22.141, 353.295



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, 76.983, 12.098



54, 85.057, 13.087



48, 92.875, 40.807



44, 5.382, 350.390



37, 64.211, 11.725



6, 25.675, 1.915

Inverse Universe

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



48, 76.983, 12.098



54, 85.057, 13.087



75, 40.520, 214.247



44, 5.382, 350.390



37, 64.211, 11.725



6, 25.675, 1.915

Previews

White Background



This preview shows how the CIELCh color 48, 76.987, 12.096 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, 76.987, 12.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

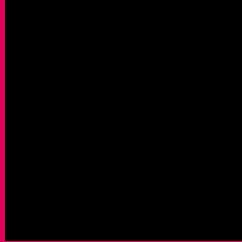
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.987, 12.096

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.987, 12.096.

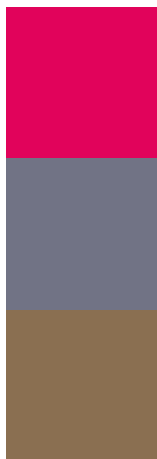


This preview shows how white text looks on a background with the CIELCh color 48, 76.987, 12.096.

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, 76.987, 12.096

Protanopia

49, 10.598, 287.484

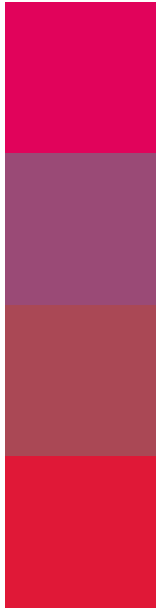
Deuteranopia

49, 21.669, 73.083



Tritanopia
48, 83.953, 35.727

Trichromacy



Original Color
48, 76.987, 12.096

Protanomaly
43, 39.970, 346.134

Deuteranomaly
44, 43.303, 17.003

Tritanomaly
48, 80.621, 27.994

Monochromacy



Original Color
48, 76.987, 12.096

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 38.146, 357.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.987, 12.096 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(225, 3, 91)` looks like.

```
.text, #text, p{  
    color:rgb(225, 3, 91)  
}
```

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(225, 3, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 3, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.987, 12.096 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(225, 3, 91) }
```

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

```
.border{ border-color:rgb(225, 3, 91) }
```

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

Here you see how a box with a 4 pixel rgb(225, 3, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 3, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 3, 91);  
box-shadow:4px 4px 4px 4px rgb(225, 3, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.987, 12.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 3, 91) }
```

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

```
.background{ background-color: rgb(225, 3,  
91) }
```

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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