

Converting Colors

CIELCh(46, 82.657, 14.594)

Have a look what the booklet for
CIELCh(46, 82.657, 14.594) contains.

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Color

CIELCh(48, 78.350, 17.153)

Conversions

Conversions Part 1

Format	Color
Hex	E20350
RGB	226, 3, 80
RGB Percent	89%, 1%, 31%
CMY	0.1141, 0.9879, 0.6876
CMYK	0.00, 0.99, 0.65, 0.11
HSL	339°, 97%, 45%
HSV	339°, 99%, 89%
XYZ	32.8047, 16.7945, 9.0361
YIQ	78.4550, 108.1910, 71.2230

Conversions

Conversions Part 2

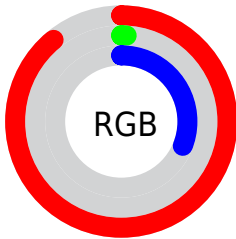
Format	Color
RYB	226, 3, 80
Decimal	14811984
CIELab	48.00, 74.87, 23.11
CIElCh	48, 78.350, 17.153
Yxy	16.7945, 0.5595, 0.2864
Android (android.graphics.Color)	4293002064 (0xFFE20350)
YUV	78.4550, 0.7617, 129.3970
Hunter-Lab	40.9810, 71.1698, 15.6136

Details

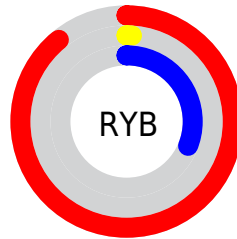
The CIELCh color **48, 78.350, 17.153** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **80, 67.953, 158.539**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.875, 11.996**, and **34, 64.695, 26.632** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.813, 17.877**, and if you desaturate by 10%, it is **49, 74.940, 11.932**.

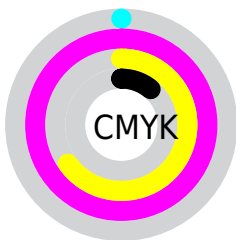
Distribution



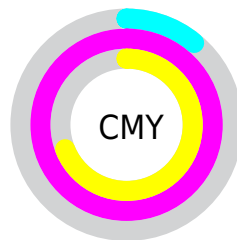
- Red (89%)
- Green (1%)
- Blue (31%)



- Red (89%)
- Yellow (1%)
- Blue (31%)



- Cyan (0%)
- Magenta (99%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (99%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 78.350, 17.153 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, 78.350, 17.153 by changing the saturation by 10% instead.

 48, 78.350, 17.153

 48, 78.350, 17.153

 100, 78.350,
17.153

 38, 78.350, 17.153

 68, 78.350, 17.153

 28, 78.350, 17.153

 78, 78.350, 17.153

 18, 78.350, 17.153

 88, 78.350, 17.153

 8, 78.350, 17.153

 98, 78.350, 17.153

 0, 78.350, 17.153

 48, 78.350, 17.153

 48, 78.350, 17.153

 48, 78.813, 17.877

 49, 74.940, 11.932

 51, 70.162, 7.590

■ 54, 63.692, 4.145

■ 58, 55.731, 1.433

■ 62, 46.710,
359.276

■ 68, 37.091,
357.528

■ 73, 27.261,
356.078

■ 79, 17.495,
354.844

■ 85, 7.968, 353.752

Harmonies

Complementary

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



48, 78.350, 17.153



80, 67.953, 158.539

Rectangle

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



48, 78.350, 17.153



48, 78.350, 67.153



48, 78.350, 197.153



48, 78.350, 247.153

Sweetspot

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



48, 78.346, 17.155



81, 31.562, 356.289



41, 109.967, 315.791



40, 21.619, 356.890



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, 78.346, 17.155



54, 86.518, 18.295



49, 91.720, 41.770



44, 5.218, 353.838



37, 65.126, 16.856



6, 25.463, 5.238

Inverse Universe

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



48, 78.346, 17.155



54, 86.518, 18.295



72, 39.703, 224.693



44, 5.218, 353.838



37, 65.126, 16.856



6, 25.463, 5.238

Previews

White Background



This preview shows how the CIELCh color 48, 78.350, 17.153 looks on a white background.

Color Contrast Check

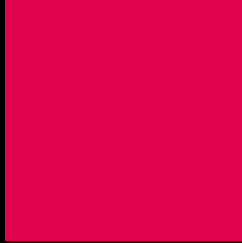
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.350, 17.153 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, 78.350, 17.153

Background



This preview shows how black text looks on a background with the CIELCh color 48, 78.350, 17.153.



This preview shows how white text looks on a background with the CIELCh color 48, 78.350, 17.153.

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, 78.337, 17.021

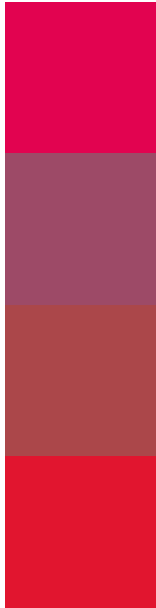
Protanopia
49, 1.439, 324.410

Deuteranopia
48, 27.534, 76.282



Tritanopia
48, 86.403, 36.871

Trichromacy



Original Color
48, 78.337, 17.021

Protanomaly
43, 37.753, 359.441

Deuteranomaly
44, 45.489, 24.789

Tritanomaly
48, 83.241, 30.647

Monochromacy



Original Color
48, 78.337, 17.021

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 37.636, 1.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 78.350, 17.153 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(226, 3, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 3, 80)  
}
```

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(226, 3, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 3, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 78.350, 17.153 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(226, 3, 80) }
```

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

```
.border{ border-color:rgb(226, 3, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 3, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 3, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 3, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 3, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 78.350, 17.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 3, 80) }
```

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

```
.background{ background-color: rgb(226, 3,  
80) }
```

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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