

Converting Colors

CIELCh(48, 79.766, 18.881)

Have a look what the booklet for
CIELCh(48, 79.766, 18.881) contains.

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Color

CIELCh(48, 79.533, 19.146)

Conversions

Conversions Part 1

Format	Color
Hex	E3004B
RGB	227, 0, 75
RGB Percent	89%, 0%, 29%
CMY	0.1105, 1.0000, 0.7064
CMYK	0.00, 1.00, 0.67, 0.11
HSL	340°, 100%, 44%
HSV	340°, 100%, 89%
XYZ	32.8802, 16.7945, 8.1420
YIQ	76.4230, 111.2170, 71.4490

Conversions

Conversions Part 2

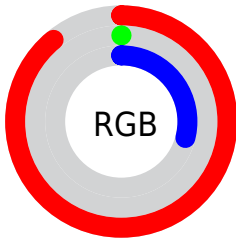
Format	Color
R_{YB}	227, 0, 75
Decimal	14876747
CIE Lab	48.00, 75.13, 26.08
CIE LCh	48, 79.533, 19.146
Yxy	16.7945, 0.5687, 0.2905
Android (android.graphics.Color)	4293066827 (0xFFE3004B)
YUV	76.4230, -0.7015, 132.0560
Hunter-Lab	40.9810, 71.4984, 16.9071

Details

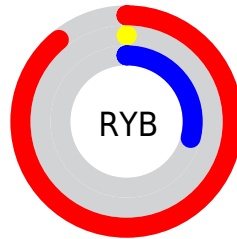
The CIELCh color **48, 79.533, 19.146** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **80, 67.492, 159.226**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.164, 14.871**, and **34, 66.325, 29.164** is the 20% darker color. If you saturate the color by 10%, you get **48, 79.494, 19.172**, and if you desaturate by 10%, it is **49, 75.912, 13.830**.

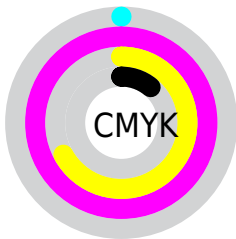
Distribution



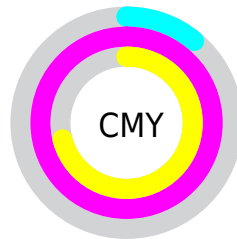
- Red (89%)
- Green (0%)
- Blue (29%)



- Red (89%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 79.533, 19.146 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, 79.533, 19.146 by changing the saturation by 10% instead.

 48, 79.533, 19.146

 48, 79.533, 19.146

 100, 79.533,
19.146

 38, 79.533, 19.146

 68, 79.533, 19.146

 28, 79.533, 19.146

 78, 79.533, 19.146

 18, 79.533, 19.146

 88, 79.533, 19.146

 8, 79.533, 19.146

 98, 79.533, 19.146


 0, 79.533, 19.146

 48, 79.533, 19.146

 48, 79.533, 19.146

 48, 79.494, 19.172

 49, 75.912, 13.830

 51, 71.173, 9.279

■ 54, 64.794, 5.649

■ 58, 56.920, 2.790

■ 62, 47.954, 0.525

■ 67, 38.359,
358.698

■ 72, 28.530,
357.192

■ 78, 18.754,
355.918

■ 84, 9.212, 354.804

Harmonies

Complementary

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



48, 79.533, 19.146



80, 67.492, 159.226

Rectangle

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



48, 79.533, 19.146



48, 79.533, 69.146



48, 79.533, 199.146



48, 79.533, 249.146

Sweetspot

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



48, 79.494, 19.172



81, 31.380, 357.218



41, 110.394, 316.200



40, 21.502, 357.827



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, 79.494, 19.172



54, 87.016, 19.577



49, 92.390, 42.289



44, 5.180, 354.744



37, 65.452, 18.127



6, 25.425, 6.026

Inverse Universe

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



48, 79.494, 19.172



54, 87.016, 19.577



71, 39.859, 228.761



44, 5.180, 354.744



37, 65.452, 18.127



6, 25.425, 6.026

Previews

White Background



This preview shows how the CIELCh color 48, 79.533, 19.146 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, 79.533, 19.146 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, 79.533, 19.146

Background



This preview shows how black text looks on a background with the CIELCh color 48, 79.533, 19.146.



This preview shows how white text looks on a background with the CIELCh color 48, 79.533, 19.146.

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, 79.533, 19.146

Protanopia

49, 3.352, 80.217

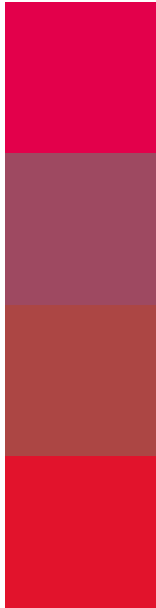
Deuteranopia

48, 30.815, 78.034



Tritanopia
48, 88.109, 37.420

Trichromacy



Original Color
48, 79.533, 19.146

Protanomaly
43, 38.000, 4.577

Deuteranomaly
44, 47.404, 28.435

Tritanomaly
48, 84.542, 31.556

Monochromacy



Original Color
48, 79.533, 19.146

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 38.420, 2.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 79.533, 19.146 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(227, 0, 75)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 75)  
}
```

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(227, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 79.533, 19.146 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(227, 0, 75) }
```

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

```
.border{ border-color:rgb(227, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 79.533, 19.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 75) }
```

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

```
.background{ background-color: rgb(227, 0,  
75) }
```

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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