

Converting Colors

CIELCh(50, 82.025, 18.665)

Have a look what the booklet for
CIELCh(50, 82.025, 18.665) contains.

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Color

CIELCh(50, 81.801, 18.877)

Conversions

Conversions Part 1

Format	Color
Hex	EC004F
RGB	236, 0, 79
RGB Percent	93%, 0%, 31%
CMY	0.0742, 0.9986, 0.6900
CMYK	0.00, 1.00, 0.67, 0.07
HSL	340°, 100%, 46%
HSV	340°, 100%, 93%
XYZ	36.0360, 18.4187, 9.0640
YIQ	79.5700, 115.2970, 74.6010

Conversions

Conversions Part 2

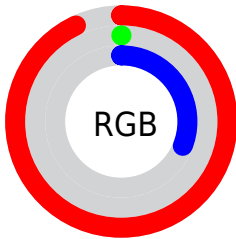
Format	Color
RYB	236, 0, 79
Decimal	15466575
CIELab	50.00, 77.40, 26.47
CIELCh	50, 81.801, 18.877
Yxy	18.4187, 0.5673, 0.2900
Android (android.graphics.Color)	4293656655 (0xFFEC004F)
YUV	79.5700, -0.2810, 137.1891
Hunter-Lab	42.9170, 74.7762, 17.5199

Details

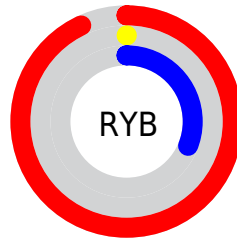
The CIELCh color **50, 81.801, 18.877** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **83, 69.908, 158.921**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.212, 12.987**, and **36, 68.582, 28.428** is the 20% darker color. If you saturate the color by 10%, you get **50, 81.852, 18.958**, and if you desaturate by 10%, it is **51, 78.198, 13.517**.

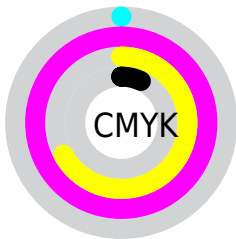
Distribution



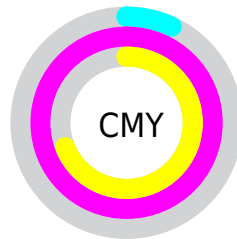
- Red (93%)
- Green (0%)
- Blue (31%)



- Red (93%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 81.801, 18.877 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 50, 81.801, 18.877 by changing the saturation by 10% instead.

■ 50, 81.801, 18.877

■ 50, 81.801, 18.877

■ 100, 81.801,
18.877

■ 40, 81.801, 18.877

■ 70, 81.801, 18.877

■ 30, 81.801, 18.877

■ 80, 81.801, 18.877

■ 20, 81.801, 18.877

■ 90, 81.801, 18.877

■ 10, 81.801, 18.877

■ 0, 81.801, 18.877

■ 50, 81.801, 18.877

■ 50, 81.801, 18.877

■ 50, 81.852, 18.958

■ 51, 78.198, 13.517

■ 53, 73.362, 8.972

■ 56, 66.811, 5.350

60, 58.698, 2.501

64, 49.445, 0.243

70, 39.532,
358.422

75, 29.372,
356.919

81, 19.262,
355.648

87, 9.393, 354.535

Harmonies

Complementary

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



50, 81.801, 18.877



83, 69.908, 158.921

Rectangle

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



50, 81.801, 18.877



50, 81.801, 68.877



50, 81.801, 198.877



50, 81.801, 248.877

Sweetspot

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



50, 81.797, 18.879



81, 31.430, 356.957



43, 114.128, 315.684



40, 21.534, 357.563



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 81.797, 18.879



54, 86.872, 19.219



51, 95.721, 41.849



46, 5.384, 354.493



38, 66.792, 17.901



7, 27.813, 7.319

Inverse Universe

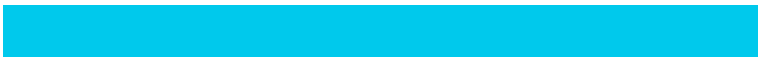
The Inverse Universe completely reimagines the original color for something new.



50, 81.797, 18.879



54, 86.872, 19.219



75, 41.096, 225.123



46, 5.384, 354.493



38, 66.792, 17.901



7, 27.813, 7.319

Previews

White Background



This preview shows how the CIELCh color 50, 81.801, 18.877 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 81.801, 18.877 looks on a black 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

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

CIELCh 50, 81.801, 18.877

Background



This preview shows how black text looks on a background with the CIELCh color 50, 81.801, 18.877.



This preview shows how white text looks on a background with the CIELCh color 50, 81.801, 18.877.

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

50, 81.801, 18.877

Protanopia

51, 2.830, 74.580

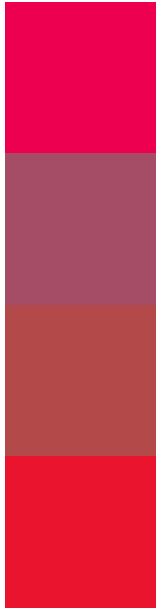
Deuteranopia

51, 31.316, 77.904



Tritanopia
50, 90.580, 37.344

Trichromacy



Original Color
50, 81.801, 18.877

Protanomaly
44, 39.619, 3.079

Deuteranomaly
45, 48.687, 27.770

Tritanomaly
50, 86.877, 31.285

Monochromacy



Original Color
50, 81.801, 18.877

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 39.509, 2.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 81.801, 18.877 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(236, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 79)  
}
```

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(236, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 81.801, 18.877 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(236, 0, 79) }
```

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

```
.border{ border-color:rgb(236, 0, 79) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(236, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 81.801, 18.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 79) }
```

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

```
.background{ background-color: rgb(236, 0,  
79) }
```

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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