

Converting Colors

CIELCh(33, 125.862, 357.114)

Have a look what the booklet for
CIELCh(33, 125.862, 357.114)
contains.

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Color

CIELCh(49, 77.930, 11.683)

Conversions

Conversions Part 1

Format	Color
Hex	E5045E
RGB	229, 4, 94
RGB Percent	90%, 2%, 37%
CMY	0.1011, 0.9831, 0.6317
CMYK	0.00, 0.98, 0.59, 0.10
HSL	336°, 96%, 46%
HSV	336°, 98%, 90%
XYZ	34.4479, 17.5941, 12.1504
YIQ	81.5350, 105.2100, 75.6900

Conversions

Conversions Part 2

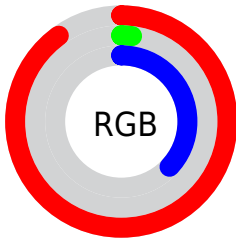
Format	Color
RYB	229, 4, 94
Decimal	15008862
CIELab	49.00, 76.32, 15.78
CIELCh	49, 77.930, 11.683
Yxy	17.5941, 0.5366, 0.2741
Android (android.graphics.Color)	4293198942 (0xFFE5045E)
YUV	81.5350, 6.1452, 129.3268
Hunter-Lab	41.9453, 73.1904, 12.1869

Details

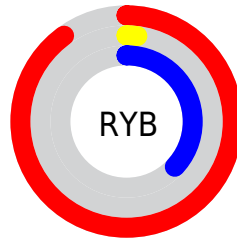
The CIELCh color **49, 77.930, 11.683** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **81, 73.183, 154.947**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.235, 5.233**, and **35, 63.564, 21.043** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.393, 12.632**, and if you desaturate by 10%, it is **50, 75.287, 6.830**.

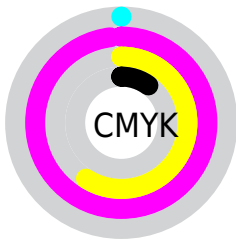
Distribution



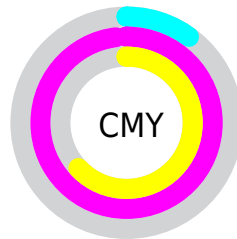
- Red (90%)
- Green (2%)
- Blue (37%)



- Red (90%)
- Yellow (2%)
- Blue (37%)



- Cyan (0%)
- Magenta (98%)
- Yellow (59%)
- Black (10%)



- Cyan (10%)
- Magenta (98%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.930, 11.683 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 49, 77.930, 11.683 by changing the saturation by 10% instead.

49, 77.930, 11.683

49, 77.930, 11.683

100, 77.930,
11.683

39, 77.930, 11.683

69, 77.930, 11.683

29, 77.930, 11.683

79, 77.930, 11.683

19, 77.930, 11.683

89, 77.930, 11.683

9, 77.930, 11.683

99, 77.930, 11.683

0, 77.930, 11.683

49, 77.930, 11.683

49, 77.930, 11.683

49, 78.393, 12.632

50, 75.287, 6.830

52, 70.967, 2.885

■ 55, 64.721,
359.776

■ 59, 56.807,
357.324

■ 64, 47.698,
355.360

■ 69, 37.893,
353.749

■ 74, 27.800,
352.397

■ 80, 17.713,
351.231

■ 86, 7.822, 350.186

Harmonies

Complementary

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



49, 77.930, 11.683



81, 73.183, 154.947

Rectangle

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



49, 77.930, 11.683



49, 77.930, 61.683



49, 77.930, 191.683



49, 77.930, 241.683

Sweetspot

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



49, 77.926, 11.685



81, 31.282, 352.528



40, 112.132, 314.386



41, 21.528, 353.091



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 77.926, 11.685



54, 85.036, 12.977



49, 93.820, 40.693



45, 5.486, 350.323



38, 64.894, 11.679



7, 26.904, 2.397

Inverse Universe

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



49, 77.926, 11.685



54, 85.036, 12.977



76, 41.092, 214.140



45, 5.486, 350.323



38, 64.894, 11.679



7, 26.904, 2.397

Previews

White Background



This preview shows how the CIELCh color 49, 77.930, 11.683 looks on a white background.

Color Contrast Check

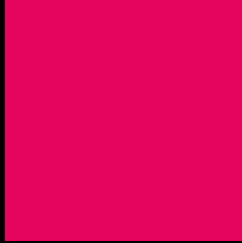
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 77.930, 11.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

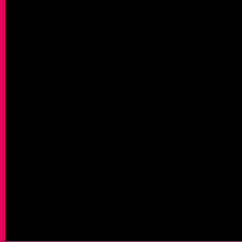
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.930, 11.683

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.930, 11.683.



This preview shows how white text looks on a background with the CIELCh color 49, 77.930, 11.683.

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

49, 77.878, 11.595

Protanopia

50, 11.756, 286.231

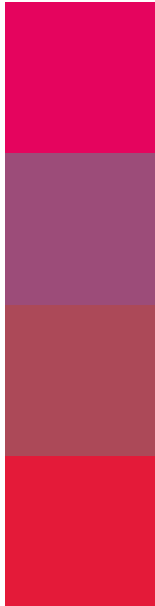
Deuteranopia

50, 21.098, 72.396



Tritanopia
49, 84.879, 35.822

Trichromacy



Original Color
49, 77.878, 11.595

Protanomaly
44, 40.203, 345.334

Deuteranomaly
45, 43.517, 15.559

Tritanomaly
49, 81.360, 27.808

Monochromacy



Original Color
49, 77.878, 11.595

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 38.419, 357.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.930, 11.683 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(229, 4, 94)` looks like.

```
.text, #text, p{  
    color:rgb(229, 4, 94)  
}
```

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(229, 4, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 4, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.930, 11.683 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(229, 4, 94) }
```

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

```
.border{ border-color:rgb(229, 4, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 4, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 4, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 4, 94);  
box-shadow:4px 4px 4px 4px rgb(229, 4, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.930, 11.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 4, 94) }
```

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

```
.background{ background-color: rgb(229, 4,  
94) }
```

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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