

Converting Colors

CIELCh(49, 78.125, 12.058)

Have a look what the booklet for
CIELCh(49, 78.125, 12.058) contains.

CIELCh(49, 78.008, 11.987)	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(49, 78.008, 11.987)

Conversions

Conversions Part 1

Format	Color
Hex	E5045D
RGB	229, 4, 93
RGB Percent	90%, 2%, 36%
CMY	0.1007, 0.9837, 0.6344
CMYK	0.00, 0.98, 0.59, 0.10
HSL	336°, 96%, 46%
HSV	336°, 98%, 90%
XYZ	34.4454, 17.5941, 11.9918
YIQ	81.4210, 105.5310, 75.3790

Conversions

Conversions Part 2

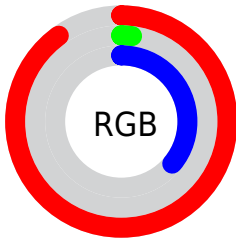
Format	Color
R_{YB}	229, 4, 93
Decimal	15008861
CIE _{Lab}	49.00, 76.31, 16.20
CIE _{LCh}	49, 78.008, 11.987
Yxy	17.5941, 0.5379, 0.2748
Android (android.graphics.Color)	4293198941 (0xFFE5045D)
YUV	81.4210, 5.7084, 129.4268
Hunter-Lab	41.9453, 73.1799, 12.4112

Details

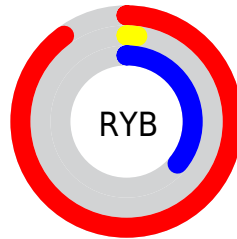
The CIELCh color **49, 78.008, 11.987** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **81, 72.991, 155.111**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.193, 5.714**, and **35, 63.748, 21.581** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.465, 12.908**, and if you desaturate by 10%, it is **50, 75.330, 7.109**.

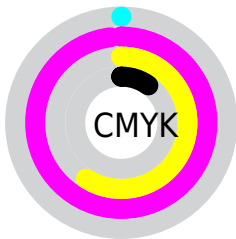
Distribution



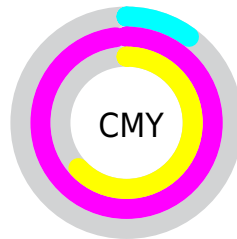
- Red (90%)
- Green (2%)
- Blue (36%)



- Red (90%)
- Yellow (2%)
- Blue (36%)



- 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, 78.008, 11.987 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, 78.008, 11.987 by changing the saturation by 10% instead.

■ 49, 78.008, 11.987 ■ 49, 78.008, 11.987

■ 100, 78.008, 11.987 ■ 39, 78.008, 11.987

■ 69, 78.008, 11.987 ■ 29, 78.008, 11.987

■ 79, 78.008, 11.987 ■ 19, 78.008, 11.987

■ 89, 78.008, 11.987 ■ 9, 78.008, 11.987

■ 99, 78.008, 11.987 ■ 0, 78.008, 11.987

■ 49, 78.008, 11.987 ■ 49, 78.008, 11.987

■ 49, 78.465, 12.908 ■ 50, 75.330, 7.109

■ 52, 70.995, 3.137

■ 55, 64.742, 0.007

■ 59, 56.825,
357.539

■ 64, 47.719,
355.562

■ 69, 37.917,
353.944

■ 74, 27.831,
352.585

■ 80, 17.752,
351.414

■ 86, 7.871, 350.367

Harmonies

Complementary

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



49, 78.008, 11.987



81, 72.991, 155.111

Rectangle

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



49, 78.008, 11.987



49, 78.008, 61.987



49, 78.008, 191.987



49, 78.008, 241.987

Sweetspot

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



49, 78.004, 11.989



81, 31.238, 352.709



40, 112.188, 314.381



41, 21.498, 353.274



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, 78.004, 11.989



54, 85.091, 13.254



49, 93.886, 40.702



45, 5.477, 350.497



38, 64.927, 11.950



7, 26.891, 2.588

Inverse Universe

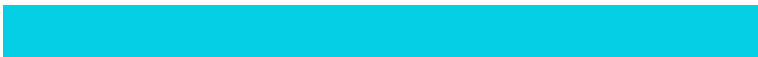
The Inverse Universe completely reimagines the original color for something new.



49, 78.004, 11.989



54, 85.091, 13.254



76, 41.105, 214.151



45, 5.477, 350.497



38, 64.927, 11.950



7, 26.891, 2.588

Previews

White Background



This preview shows how the CIELCh color 49, 78.008, 11.987 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, 78.008, 11.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

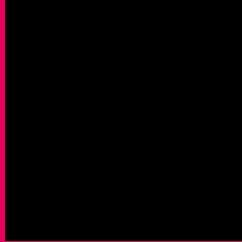
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 78.008, 11.987

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.008, 11.987.

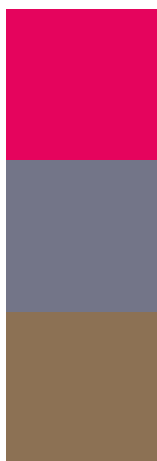


This preview shows how white text looks on a background with the CIELCh color 49, 78.008, 11.987.

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, 77.940, 12.025

Protanopia

50, 11.150, 287.761

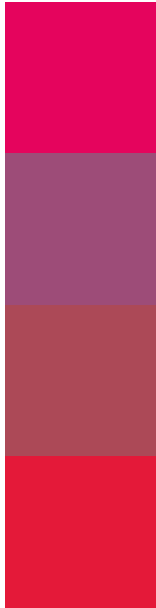
Deuteranopia

50, 21.098, 72.396



Tritanopia
49, 85.017, 35.699

Trichromacy



Original Color
49, 77.940, 12.025

Protanomaly
44, 40.194, 346.494

Deuteranomaly
45, 43.584, 16.328

Tritanomaly
49, 81.468, 27.720

Monochromacy



Original Color
49, 77.940, 12.025

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, 78.008, 11.987 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(229, 4, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 4, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.008, 11.987 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, 93) }
```

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

```
.border{ border-color:rgb(229, 4, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 4, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 4, 93);  
box-shadow:4px 4px 4px 4px rgb(229, 4, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.008, 11.987 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, 93) }
```

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

```
.background{ background-color: rgb(229, 4,  
93) }
```

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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