

Converting Colors

CIELCh(49, 78.439, 12.481)

Have a look what the booklet for
CIELCh(49, 78.439, 12.481) contains.

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Color

CIELCh(49, 78.501, 12.526)

Conversions

Conversions Part 1

Format	Color
Hex	E6015C
RGB	230, 1, 92
RGB Percent	90%, 0%, 36%
CMY	0.0984, 0.9971, 0.6395
CMYK	0.00, 1.00, 0.60, 0.10
HSL	336°, 99%, 45%
HSV	336°, 100%, 90%
XYZ	34.5399, 17.5941, 11.6852
YIQ	79.8450, 107.2730, 76.8490

Conversions

Conversions Part 2

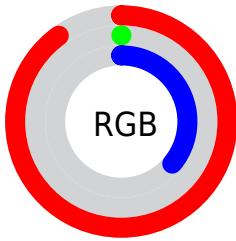
Format	Color
R_{YB}	230, 1, 92
Decimal	15073628
CIE _{Lab}	49.00, 76.63, 17.03
CIE _{LCh}	49, 78.501, 12.526
Yxy	17.5941, 0.5412, 0.2757
Android (android.graphics.Color)	4293263708 (0xFFE6015C)
YUV	79.8450, 5.9924, 131.6859
Hunter-Lab	41.9453, 73.5818, 12.8445

Details

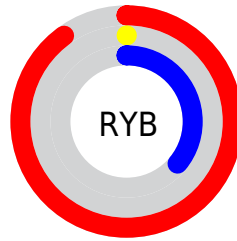
The CIELCh color **49, 78.501, 12.526** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **81, 73.940, 154.624**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.536, 5.973**, and **35, 64.288, 22.295** is the 20% darker color. If you saturate the color by 10%, you get **49, 78.579, 12.688**, and if you desaturate by 10%, it is **50, 75.966, 7.579**.

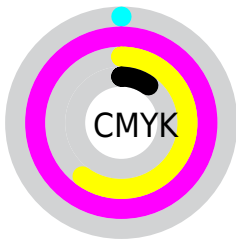
Distribution



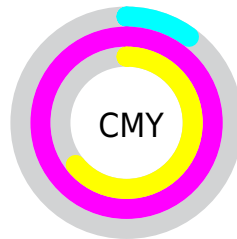
- Red (90%)
- Green (0%)
- Blue (36%)



- Red (90%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (10%)



- Cyan (10%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 78.501, 12.526 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, 78.501, 12.526 by changing the saturation by 10% instead.

49, 78.501, 12.526

49, 78.501, 12.526

100, 78.501,
12.526

39, 78.501, 12.526

69, 78.501, 12.526

29, 78.501, 12.526

79, 78.501, 12.526

19, 78.501, 12.526

89, 78.501, 12.526

9, 78.501, 12.526

99, 78.501, 12.526

0, 78.501, 12.526

49, 78.501, 12.526

49, 78.501, 12.526

49, 78.579, 12.688

50, 75.966, 7.579

52, 71.933, 3.485

■ 55, 65.964, 0.253

■ 59, 58.263,
357.707

■ 63, 49.286,
355.673

■ 68, 39.537,
354.014

■ 74, 29.443,
352.625

■ 79, 19.319,
351.433

■ 85, 9.366, 350.375

Harmonies

Complementary

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



49, 78.501, 12.526



81, 73.940, 154.624

Rectangle

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



49, 78.501, 12.526



49, 78.501, 62.526



49, 78.501, 192.526



49, 78.501, 242.526

Sweetspot

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



49, 78.497, 12.528



81, 32.379, 352.687



40, 112.959, 314.277



40, 22.148, 353.253



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, 78.497, 12.528



54, 85.045, 13.024



49, 94.991, 40.930



45, 5.484, 350.352



38, 64.899, 11.724



7, 26.901, 2.429

Inverse Universe

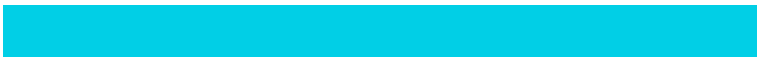
The Inverse Universe completely reimagines the original color for something new.



49, 78.497, 12.528



54, 85.045, 13.024



76, 41.220, 214.419



45, 5.484, 350.352



38, 64.899, 11.724



7, 26.901, 2.429

Previews

White Background



This preview shows how the CIELCh color 49, 78.501, 12.526 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, 78.501, 12.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

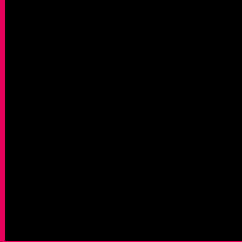
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 78.501, 12.526

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.501, 12.526.

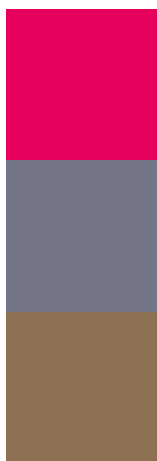


This preview shows how white text looks on a background with the CIELCh color 49, 78.501, 12.526.

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, 78.501, 12.526

Protanopia

50, 9.968, 289.295

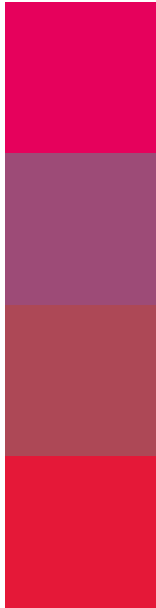
Deuteranopia

50, 22.361, 72.915



Tritanopia
49, 85.647, 36.000

Trichromacy



Original Color
49, 78.501, 12.526

Protanomaly
44, 40.496, 346.972

Deuteranomaly
45, 44.465, 16.765

Tritanomaly
49, 82.162, 28.089

Monochromacy



Original Color
49, 78.501, 12.526

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 39.289, 358.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.501, 12.526 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(230, 1, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 1, 92)  
}
```

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(230, 1, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 1, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.501, 12.526 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(230, 1, 92) }
```

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

```
.border{ border-color:rgb(230, 1, 92) }
```

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

Here you see how a box with a 4 pixel rgb(230, 1, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 1, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 1, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 1, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.501, 12.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 1, 92) }
```

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

```
.background{ background-color: rgb(230, 1,  
92) }
```

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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