

Converting Colors

CIELCh(51, 73.112, 17.422)

Have a look what the booklet for
CIELCh(51, 73.112, 17.422) contains.

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Color

CIELCh(51, 73.174, 17.519)

Conversions

Conversions Part 1

Format	Color
Hex	E52D58
RGB	229, 45, 88
RGB Percent	90%, 18%, 35%
CMY	0.1015, 0.8229, 0.6546
CMYK	0.00, 0.80, 0.62, 0.10
HSL	346°, 78%, 54%
HSV	346°, 80%, 90%
XYZ	35.0559, 19.2686, 11.1216
YIQ	104.9180, 95.8610, 52.3810

Conversions

Conversions Part 2

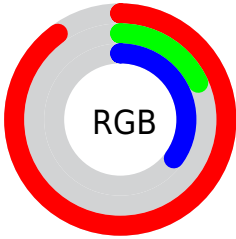
Format	Color
RYB	229, 45, 88
Decimal	15019352
CIELab	51.00, 69.78, 22.03
CIElCh	51, 73.174, 17.519
Yxy	19.2686, 0.5356, 0.2944
Android (android.graphics.Color)	4293209432 (0xFFE52D58)
YUV	104.9180, -8.3406, 108.8199
Hunter-Lab	43.8960, 65.7343, 15.7053

Details

The CIELCh color **51, 73.174, 17.519** 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 **82, 54.472, 171.041**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.962, 12.565**, and **35, 64.760, 24.208** is the 20% darker color. If you saturate the color by 10%, you get **49, 79.326, 22.422**, and if you desaturate by 10%, it is **54, 65.749, 13.500**.

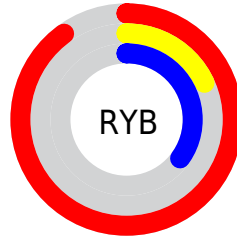
Distribution



Red (90%)

Green (18%)

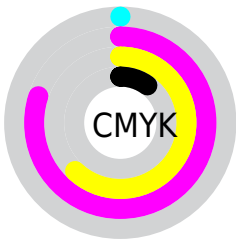
Blue (35%)



Red (90%)

Yellow (18%)

Blue (35%)

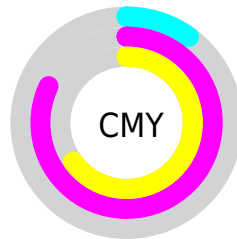


Cyan (0%)

Magenta (80%)

Yellow (62%)

Black (10%)



Cyan (10%)

Magenta (82%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 73.174, 17.519 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 51, 73.174, 17.519 by changing the saturation by 10% instead.

■ 51, 73.174, 17.519

■ 51, 73.174, 17.519

■ 100, 73.174,
17.519

■ 41, 73.174, 17.519

■ 71, 73.174, 17.519

■ 31, 73.174, 17.519

■ 81, 73.174, 17.519

■ 21, 73.174, 17.519

■ 91, 73.174, 17.519

■ 11, 73.174, 17.519

■ 1, 73.174, 17.519

■ 0, 73.174, 17.519

■ 51, 73.174, 17.519

■ 51, 73.174, 17.519

■ 49, 79.326, 22.422

■ 54, 65.749, 13.500

■ 48, 84.459, 27.694

■ 58, 57.166, 10.308

62, 47.768, 7.790

67, 37.964, 5.786

73, 28.109, 4.164

79, 18.451, 2.820

85, 9.143, 1.668

91, 0.259, 358.634

97, 8.176, 180.002

Harmonies

Complementary

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



51, 73.174, 17.519



82, 54.472, 171.041

Rectangle

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



51, 73.174, 17.519



51, 73.174, 67.519



51, 73.174, 197.519



51, 73.174, 247.519

Sweetspot

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



51, 73.170, 17.521



84, 23.998, 3.310



49, 100.700, 319.729



43, 16.606, 3.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 73.170, 17.521



54, 89.599, 25.863



56, 73.108, 45.365



45, 5.041, 1.577



37, 69.532, 26.689



7, 26.645, 11.920

Inverse Universe

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



51, 73.170, 17.521



54, 89.599, 25.863



70, 38.834, 238.557



45, 5.041, 1.577



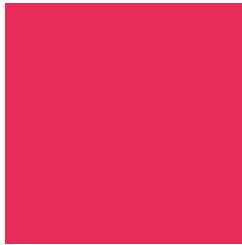
37, 69.532, 26.689



7, 26.645, 11.920

Previews

White Background



This preview shows how the CIELCh color 51, 73.174, 17.519 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 51, 73.174, 17.519 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 51, 73.174, 17.519

Background



This preview shows how black text looks on a background with the CIELCh color 51, 73.174, 17.519.



This preview shows how white text looks on a background with the CIELCh color 51, 73.174, 17.519.

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

51, 73.174, 17.519

Protanopia

51, 1.208, 19.223

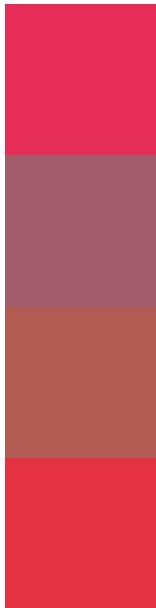
Deuteranopia

51, 26.204, 75.568



Tritanopia
51, 77.989, 32.571

Trichromacy



Original Color
51, 73.174, 17.519

Protanomaly
48, 30.307, 6.136

Deuteranomaly
49, 40.053, 31.884

Tritanomaly
51, 75.634, 27.551

Monochromacy



Original Color
51, 73.174, 17.519

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 29.935, 5.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 73.174, 17.519 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, 45, 88)` looks like.

```
.text, #text, p{  
    color:rgb(229, 45, 88)  
}
```

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, 45, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 45, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 73.174, 17.519 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, 45, 88) }
```

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

```
.border{ border-color:rgb(229, 45, 88) }
```

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

Here you see how a box with a 4 pixel rgb(229, 45, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 45, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 45, 88);  
box-shadow:4px 4px 4px 4px rgb(229, 45,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 73.174, 17.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 45, 88) }
```

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

```
.background{ background-color: rgb(229, 45,  
88) }
```

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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