

Converting Colors

CIELCh(51, 78.838, 16.213)

Have a look what the booklet for
CIELCh(51, 78.838, 16.213) contains.

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Color

CIELCh(51, 78.706, 15.944)

Conversions

Conversions Part 1

Format	Color
Hex	EC1859
RGB	236, 24, 89
RGB Percent	93%, 9%, 35%
CMY	0.0736, 0.9039, 0.6503
CMYK	0.00, 0.90, 0.62, 0.07
HSL	342°, 85%, 51%
HSV	342°, 90%, 93%
XYZ	36.8145, 19.2686, 11.2674
YIQ	94.7980, 105.4870, 65.1590

Conversions

Conversions Part 2

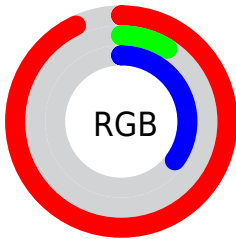
Format	Color
R_{YB}	236, 24, 89
Decimal	15472729
CIE _{Lab}	51.00, 75.68, 21.62
CIE _{LCh}	51, 78.706, 15.944
Yxy	19.2686, 0.5466, 0.2861
Android (android.graphics.Color)	4293662809 (0xFFEC1859)
YUV	94.7980, -2.8584, 123.8342
Hunter-Lab	43.8960, 72.8853, 15.5084

Details

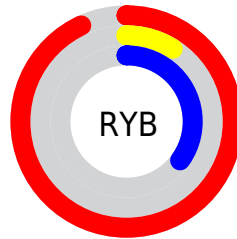
The CIELCh color **51, 78.706, 15.944** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **84, 64.110, 163.303**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.808, 9.134**, and **36, 66.677, 24.654** is the 20% darker color. If you saturate the color by 10%, you get **50, 82.817, 21.397**, and if you desaturate by 10%, it is **53, 73.433, 11.282**.

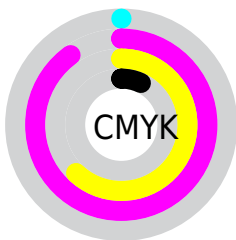
Distribution



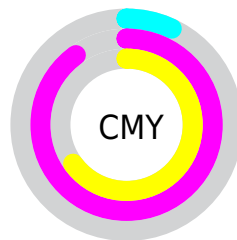
- Red (93%)
- Green (9%)
- Blue (35%)



- Red (93%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (62%)
- Black (7%)



- Cyan (7%)
- Magenta (90%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 78.706, 15.944 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, 78.706, 15.944 by changing the saturation by 10% instead.

■ 51, 78.706, 15.944

■ 51, 78.706, 15.944

■ 100, 78.706,
15.944

■ 41, 78.706, 15.944

■ 71, 78.706, 15.944

■ 31, 78.706, 15.944

■ 81, 78.706, 15.944

■ 21, 78.706, 15.944

■ 91, 78.706, 15.944

■ 11, 78.706, 15.944

■ 1, 78.706, 15.944

■ 0, 78.706, 15.944

■ 51, 78.706, 15.944

■ 51, 78.706, 15.944

■ 50, 82.817, 21.397

■ 53, 73.433, 11.282

■ 50, 82.973, 21.596

■ 56, 66.569, 7.545

60, 58.254, 4.601

65, 48.894, 2.273

70, 38.953, 0.402

75, 28.827,
358.866

81, 18.799,
357.573

87, 9.048, 356.446

94, 0.333, 177.172

Harmonies

Complementary

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



51, 78.706, 15.944



84, 64.110, 163.303

Rectangle

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



51, 78.706, 15.944



51, 78.706, 65.944



51, 78.706, 195.944



51, 78.706, 245.944

Sweetspot

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



51, 78.702, 15.946



82, 27.848, 358.520



46, 109.700, 317.349



42, 18.854, 358.994



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, 78.702, 15.946



54, 88.044, 21.858



54, 86.983, 42.436



46, 5.305, 356.428



38, 67.599, 20.525



7, 27.799, 9.047

Inverse Universe

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



51, 78.702, 15.946



54, 88.044, 21.858



74, 40.436, 228.931



46, 5.305, 356.428



38, 67.599, 20.525



7, 27.799, 9.047

Previews

White Background



This preview shows how the CIELCh color 51, 78.706, 15.944 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, 78.706, 15.944 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, 78.706, 15.944

Background



This preview shows how black text looks on a background with the CIELCh color 51, 78.706, 15.944.



This preview shows how white text looks on a background with the CIELCh color 51, 78.706, 15.944.

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](#).

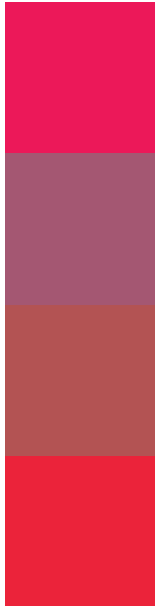
Dichromacy





Tritanopia
51, 86.326, 35.347

Trichromacy



Original Color
51, 78.706, 15.944

Protanomaly
47, 34.858, 358.275

Deuteranomaly
47, 43.342, 25.792

Tritanomaly
51, 82.525, 28.959

Monochromacy



Original Color
51, 78.706, 15.944

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 35.149, 2.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 78.706, 15.944 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, 24, 89)` looks like.

```
.text, #text, p{  
    color:rgb(236, 24, 89)  
}
```

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, 24, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 24, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 78.706, 15.944 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, 24, 89) }
```

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

```
.border{ border-color:rgb(236, 24, 89) }
```

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

Here you see how a box with a 4 pixel rgb(236, 24, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 24, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 24, 89);  
box-shadow:4px 4px 4px 4px rgb(236, 24,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 78.706, 15.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 24, 89) }
```

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

```
.background{ background-color: rgb(236, 24,  
89) }
```

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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