

Converting Colors

CIELCh(50, 78.161, 21.213)

Have a look what the booklet for
CIELCh(50, 78.161, 21.213) contains.

CIELCh(50, 78.093, 21.118)	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(50, 78.093, 21.118)

Conversions

Conversions Part 1

Format	Color
Hex	E71E4C
RGB	231, 30, 76
RGB Percent	91%, 12%, 30%
CMY	0.0944, 0.8828, 0.7022
CMYK	0.00, 0.87, 0.67, 0.09
HSL	346°, 81%, 51%
HSV	346°, 87%, 91%
XYZ	34.6929, 18.4187, 8.5538
YIQ	95.3430, 105.0300, 56.9180

Conversions

Conversions Part 2

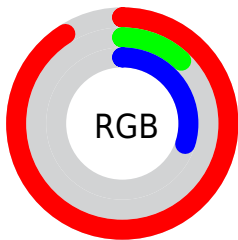
Format	Color
RYB	231, 30, 76
Decimal	15146572
CIELab	50.00, 72.85, 28.14
CIElCh	50, 78.093, 21.118
Yxy	18.4187, 0.5626, 0.2987
Android (android.graphics.Color)	4293336652 (0xFFE71E4C)
YUV	95.3430, -9.5361, 118.9712
Hunter-Lab	42.9170, 69.1899, 18.2248

Details

The CIELCh color **50, 78.093, 21.118** 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, 56.804, 170.205**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 62.590, 16.734**, and **35, 67.532, 29.182** is the 20% darker color. If you saturate the color by 10%, you get **49, 83.622, 26.502**, and if you desaturate by 10%, it is **52, 71.432, 16.486**.

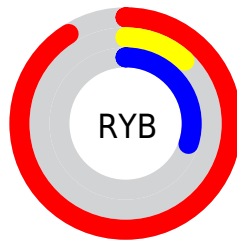
Distribution



Red (91%)

Green (12%)

Blue (30%)



Red (91%)

Yellow (12%)

Blue (30%)

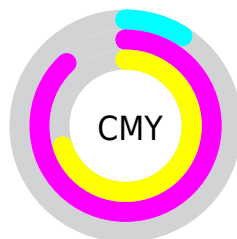


Cyan (0%)

Magenta (87%)

Yellow (67%)

Black (9%)



Cyan (9%)

Magenta (88%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.093, 21.118 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 50, 78.093, 21.118 by changing the saturation by 10% instead.

■ 50, 78.093, 21.118

■ 50, 78.093, 21.118

■ 100, 78.093,
21.118

■ 40, 78.093, 21.118

■ 70, 78.093, 21.118

■ 30, 78.093, 21.118

■ 80, 78.093, 21.118

■ 20, 78.093, 21.118

■ 90, 78.093, 21.118

■ 10, 78.093, 21.118

■ 0, 78.093, 21.118

■ 50, 78.093, 21.118

■ 50, 78.093, 21.118

■ 49, 83.622, 26.502

■ 52, 71.432, 16.486

■ 49, 85.217, 28.066

■ 55, 63.513, 12.732

■ 59, 54.535, 9.764

64, 44.882, 7.421

70, 34.956, 5.548

75, 25.080, 4.023

81, 15.468, 2.750

87, 6.246, 1.632

93, 2.533, 181.027

Harmonies

Complementary

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



50, 78.093, 21.118



82, 56.804, 170.205

Rectangle

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



50, 78.093, 21.118



50, 78.093, 71.118



50, 78.093, 201.118



50, 78.093, 251.118

Sweetspot

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



50, 78.089, 21.120



83, 26.073, 3.897



48, 105.397, 320.081



42, 17.795, 4.387



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 78.089, 21.120



54, 92.105, 28.398



55, 79.666, 46.408



45, 5.033, 1.895



37, 69.716, 27.037



7, 26.647, 12.121

Inverse Universe

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



50, 78.089, 21.120



54, 92.105, 28.398



68, 41.026, 244.381



45, 5.033, 1.895



37, 69.716, 27.037



7, 26.647, 12.121

Previews

White Background



This preview shows how the CIELCh color 50, 78.093, 21.118 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 50, 78.093, 21.118 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 50, 78.093, 21.118

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.093, 21.118.

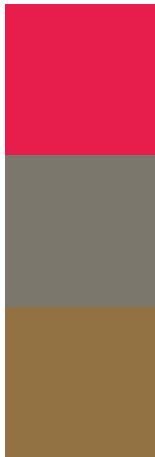


This preview shows how white text looks on a background with the CIELCh color 50, 78.093, 21.118.

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

50, 78.093, 21.118

Protanopia

50, 6.176, 89.657

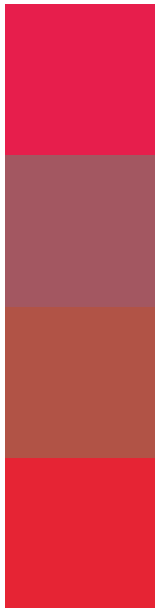
Deuteranopia

50, 31.866, 78.220



Tritanopia
50, 84.899, 35.336

Trichromacy



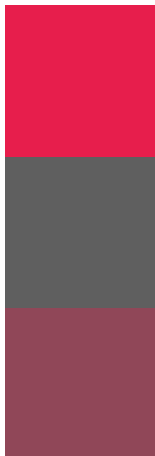
Original Color
50, 78.093, 21.118

Protanomaly
46, 33.357, 14.511

Deuteranomaly
47, 45.293, 34.742

Tritanomaly
50, 82.050, 30.780

Monochromacy



Original Color
50, 78.093, 21.118

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 32.967, 7.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.093, 21.118 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(231, 30, 76)` looks like.

```
.text, #text, p{  
    color:rgb(231, 30, 76)  
}
```

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(231, 30, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 30, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.093, 21.118 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(231, 30, 76) }
```

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

```
.border{ border-color:rgb(231, 30, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 30, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 30, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 30, 76);  
box-shadow:4px 4px 4px 4px rgb(231, 30,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.093, 21.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 30, 76) }
```

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

```
.background{ background-color: rgb(231, 30,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor