

Converting Colors

CIELCh(50, 78.131, 17.335)

Have a look what the booklet for
CIELCh(50, 78.131, 17.335) contains.

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Color

CIELCh(50, 78.131, 17.334)

Conversions

Conversions Part 1

Format	Color
Hex	E81754
RGB	232, 23, 84
RGB Percent	91%, 9%, 33%
CMY	0.0900, 0.9094, 0.6705
CMYK	0.00, 0.90, 0.64, 0.09
HSL	343°, 82%, 50%
HSV	343°, 90%, 91%
XYZ	35.2005, 18.4187, 10.0931
YIQ	92.4450, 104.9830, 63.2790

Conversions

Conversions Part 2

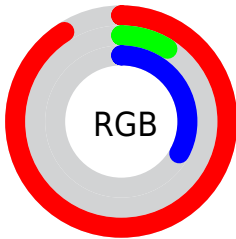
Format	Color
R_{YB}	232, 23, 84
Decimal	15210324
CIE Lab	50.00, 74.58, 23.28
CIE LCh	50, 78.131, 17.334
Yxy	18.4187, 0.5525, 0.2891
Android (android.graphics.Color)	4293400404 (0xFFE81754)
YUV	92.4450, -4.1634, 122.3897
Hunter-Lab	42.9170, 71.3011, 16.0981

Details

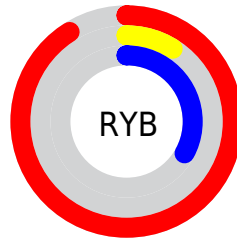
The CIELCh color **50, 78.131, 17.334** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **82, 62.336, 164.319**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.248, 11.865**, and **35, 66.154, 26.020** is the 20% darker color. If you saturate the color by 10%, you get **49, 82.418, 22.784**, and if you desaturate by 10%, it is **52, 72.781, 12.590**.

Distribution



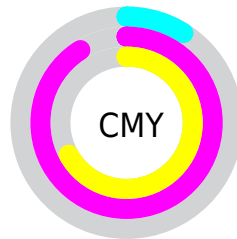
- Red (91%)
- Green (9%)
- Blue (33%)



- Red (91%)
- Yellow (9%)
- Blue (33%)



- Cyan (0%)
- Magenta (90%)
- Yellow (64%)
- Black (9%)



- Cyan (9%)
- Magenta (91%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.131, 17.334 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, 78.131, 17.334 by changing the saturation by 10% instead.

■ 50, 78.131, 17.334

■ 50, 78.131, 17.334

■ 100, 78.131,
17.334

■ 40, 78.131, 17.334

■ 70, 78.131, 17.334

■ 30, 78.131, 17.334

■ 80, 78.131, 17.334

■ 20, 78.131, 17.334

■ 90, 78.131, 17.334

■ 10, 78.131, 17.334

■ 0, 78.131, 17.334

■ 50, 78.131, 17.334

■ 50, 78.131, 17.334

■ 49, 82.418, 22.784

■ 52, 72.781, 12.590

■ 55, 65.926, 8.769

■ 59, 57.682, 5.754

63, 48.436, 3.373

68, 38.637, 1.464

74, 28.671,
359.902

80, 18.815,
358.591

86, 9.241, 357.454

92, 0.044, 344.190

Harmonies

Complementary

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



50, 78.131, 17.334



82, 62.336, 164.319

Rectangle

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



50, 78.131, 17.334



50, 78.131, 67.334



50, 78.131, 197.334



50, 78.131, 247.334

Sweetspot

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



50, 78.127, 17.336



82, 27.698, 359.499



46, 108.128, 317.843



42, 18.758, 359.977



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, 78.127, 17.336



54, 88.689, 23.110



53, 85.438, 43.137



45, 5.174, 357.390



37, 67.313, 21.711



7, 26.651, 8.965

Inverse Universe

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



50, 78.127, 17.336



54, 88.689, 23.110



72, 40.041, 232.416



45, 5.174, 357.390



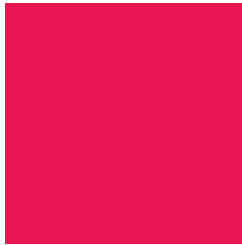
37, 67.313, 21.711



7, 26.651, 8.965

Previews

White Background



This preview shows how the CIELCh color 50, 78.131, 17.334 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, 78.131, 17.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

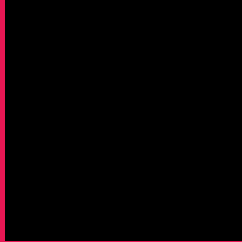
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 78.131, 17.334

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.131, 17.334.



This preview shows how white text looks on a background with the CIELCh color 50, 78.131, 17.334.

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, 78.131, 17.334

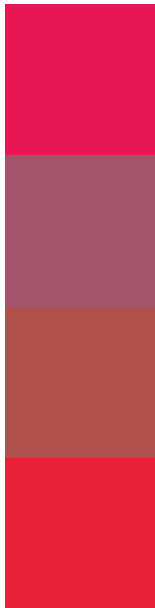
Protanopia
50, 1.430, 324.404

Deuteranopia
50, 27.605, 75.643



Tritanopia
50, 85.940, 35.793

Trichromacy



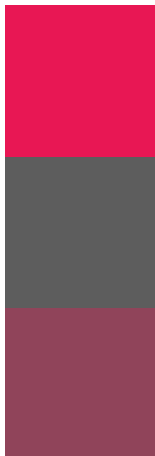
Original Color
50, 78.131, 17.334

Protanomaly
46, 34.559, 1.212

Deuteranomaly
47, 44.050, 28.077

Tritanomaly
50, 82.316, 29.822

Monochromacy



Original Color
50, 78.131, 17.334

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 34.617, 3.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.131, 17.334 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(232, 23, 84)` looks like.

```
.text, #text, p{  
  color:rgb(232, 23, 84)  
}
```

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(232, 23, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 23, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.131, 17.334 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(232, 23, 84) }
```

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

```
.border{ border-color:rgb(232, 23, 84) }
```

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

Here you see how a box with a 4 pixel rgb(232, 23, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 23, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 23, 84);  
box-shadow:4px 4px 4px 4px rgb(232, 23,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.131, 17.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 23, 84) }
```

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

```
.background{ background-color: rgb(232, 23,  
84) }
```

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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