

Converting Colors

CIELCh(52, 78.776, 25.513)

Have a look what the booklet for
CIELCh(52, 78.776, 25.513) contains.

CIELCh(52, 78.611, 25.376)	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(52, 78.611, 25.376)

Conversions

Conversions Part 1

Format	Color
Hex	EC2C47
RGB	236, 44, 71
RGB Percent	93%, 17%, 28%
CMY	0.0737, 0.8264, 0.7210
CMYK	0.00, 0.81, 0.70, 0.07
HSL	352°, 84%, 55%
HSV	352°, 81%, 93%
XYZ	36.7110, 20.1443, 7.9386
YIQ	104.4860, 105.7650, 49.1010

Conversions

Conversions Part 2

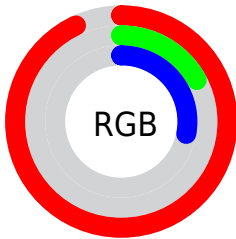
Format	Color
RYB	236, 44, 71
Decimal	15477831
CIELab	52.00, 71.03, 33.69
CIELCh	52, 78.611, 25.376
Yxy	20.1443, 0.5666, 0.3109
Android (android.graphics.Color)	4293667911 (0xFFEC2C47)
YUV	104.4860, -16.5086, 115.3378
Hunter-Lab	44.8824, 67.4576, 20.9308

Details

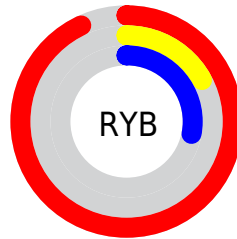
The CIELCh color **52, 78.611, 25.376** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **85, 50.913, 179.834**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 60.503, 22.441**, and **36, 70.702, 31.810** is the 20% darker color. If you saturate the color by 10%, you get **50, 86.278, 30.196**, and if you desaturate by 10%, it is **55, 69.849, 21.206**.

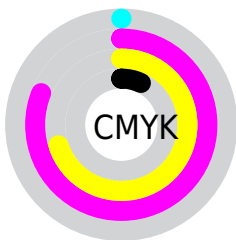
Distribution



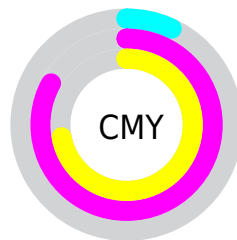
- Red (93%)
- Green (17%)
- Blue (28%)



- Red (93%)
- Yellow (17%)
- Blue (28%)



- Cyan (0%)
- Magenta (81%)
- Yellow (70%)
- Black (7%)



- Cyan (7%)
- Magenta (83%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 78.611, 25.376 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 52, 78.611, 25.376 by changing the saturation by 10% instead.

 52, 78.611, 25.376

 52, 78.611, 25.376

 100, 78.611,
25.376

 42, 78.611, 25.376

 72, 78.611, 25.376

 32, 78.611, 25.376

 82, 78.611, 25.376

 22, 78.611, 25.376

 92, 78.611, 25.376

 12, 78.611, 25.376

 2, 78.611, 25.376

 0, 78.611, 25.376

 52, 78.611, 25.376

 52, 78.611, 25.376

 50, 86.278, 30.196

 55, 69.849, 21.206

 49, 92.050, 34.385

 59, 60.200, 17.820

63, 49.985, 15.145

68, 39.582, 13.041

74, 29.313, 11.370

80, 19.403, 10.019

86, 9.976, 8.893

93, 1.084, 7.486

99, 6.490, 194.400

Harmonies

Complementary

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



52, 78.611, 25.376



85, 50.913, 179.834

Rectangle

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



52, 78.611, 25.376



52, 78.611, 75.376



52, 78.611, 205.376



52, 78.611, 255.376

Sweetspot

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



52, 78.608, 25.378



84, 23.497, 10.376



53, 103.273, 322.944



42, 16.300, 10.855



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 78.608, 25.378



54, 96.434, 33.712



61, 72.466, 52.192



46, 4.979, 8.704



38, 74.711, 33.501



7, 28.038, 16.964

Inverse Universe

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



52, 78.608, 25.378



54, 96.434, 33.712



66, 44.203, 256.444



46, 4.979, 8.704



38, 74.711, 33.501



7, 28.038, 16.964

Previews

White Background



This preview shows how the CIELCh color 52, 78.611, 25.376 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 52, 78.611, 25.376 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 52, 78.611, 25.376

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.611, 25.376.

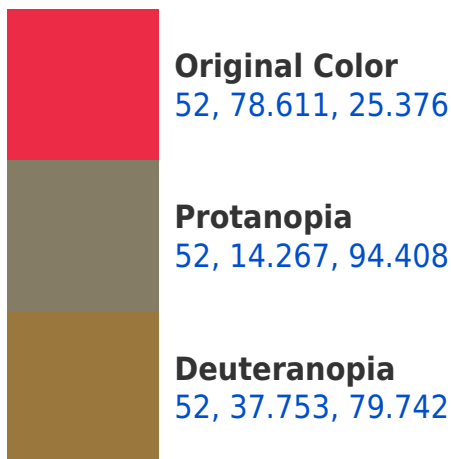


This preview shows how white text looks on a background with the CIELCh color 52, 78.611, 25.376.

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
52, 83.055, 33.871

Trichromacy



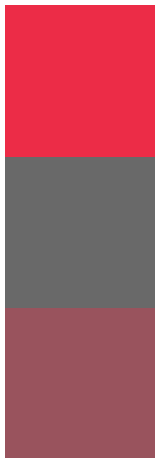
Original Color
52, 78.611, 25.376

Protanomaly
49, 34.023, 28.612

Deuteranomaly
50, 47.986, 43.400

Tritanomaly
52, 81.315, 30.951

Monochromacy



Original Color
52, 78.611, 25.376

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 31.006, 13.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.611, 25.376 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, 44, 71)` looks like.

```
.text, #text, p{  
    color:rgb(236, 44, 71)  
}
```

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, 44, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 44, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.611, 25.376 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, 44, 71) }
```

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

```
.border{ border-color:rgb(236, 44, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 44, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 44, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 44, 71);  
box-shadow:4px 4px 4px 4px rgb(236, 44,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.611, 25.376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 44, 71) }
```

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

```
.background{ background-color: rgb(236, 44,  
71) }
```

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