

Converting Colors

CIELCh(52, 77.935, 32.791)

Have a look what the booklet for
CIELCh(52, 77.935, 32.791) contains.

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Color

CIELCh(52, 77.851, 32.777)

Conversions

Conversions Part 1

Format	Color
Hex	E73938
RGB	231, 57, 56
RGB Percent	91%, 22%, 22%
CMY	0.0949, 0.7772, 0.7810
CMYK	0.00, 0.75, 0.76, 0.09
HSL	0°, 78%, 56%
HSV	0°, 76%, 91%
XYZ	35.0519, 20.1443, 5.7638
YIQ	108.9120, 104.0250, 36.5770

Conversions

Conversions Part 2

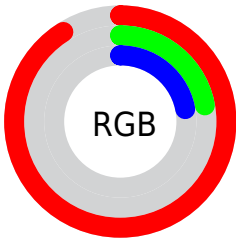
Format	Color
R_{YB}	231, 57, 56
Decimal	15153464
CIE _{Lab}	52.00, 65.46, 42.15
CIE _{LCh}	52, 77.851, 32.777
Yxy	20.1443, 0.5750, 0.3305
Android (android.graphics.Color)	4293343544 (0xFFE73938)
YUV	108.9120, -26.0856, 107.0712
Hunter-Lab	44.8824, 60.8591, 23.8037

Details

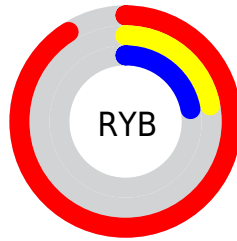
The CIELCh color **52, 77.851, 32.777** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **83, 43.226, 197.254**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.130, 32.438**, and **34, 73.117, 36.864** is the 20% darker color. If you saturate the color by 10%, you get **50, 87.652, 36.301**, and if you desaturate by 10%, it is **55, 66.932, 29.508**.

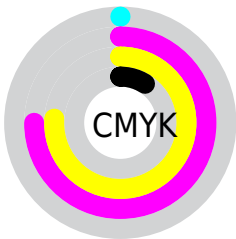
Distribution



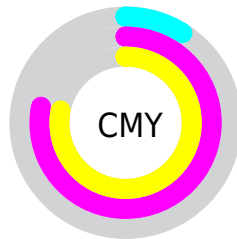
- Red (91%)
- Green (22%)
- Blue (22%)



- Red (91%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (75%)
- Yellow (76%)
- Black (9%)



- Cyan (9%)
- Magenta (78%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.851, 32.777 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, 77.851, 32.777 by changing the saturation by 10% instead.

 52, 77.851, 32.777

 52, 77.851, 32.777

 100, 77.851,
32.777

 42, 77.851, 32.777

 72, 77.851, 32.777

 32, 77.851, 32.777

 82, 77.851, 32.777

 22, 77.851, 32.777

 92, 77.851, 32.777

 12, 77.851, 32.777

 2, 77.851, 32.777

 0, 77.851, 32.777

 52, 77.851, 32.777

 52, 77.851, 32.777

 50, 87.652, 36.301

 55, 66.932, 29.508

 49, 94.729, 39.113

 59, 55.642, 26.810

48, 96.910, 40.043

64, 44.420, 24.697

70, 33.578, 23.077

76, 23.315, 21.839

82, 13.729, 20.881

88, 4.842, 20.078

94, 3.371, 199.828

98, 8.257, 198.964

Harmonies

Complementary

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



52, 77.851, 32.777



83, 43.226, 197.254

Rectangle

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



52, 77.851, 32.777



52, 77.851, 82.777



52, 77.851, 212.777



52, 77.851, 262.777

Sweetspot

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



52, 77.848, 32.779



85, 22.305, 21.559



58, 97.821, 327.931



43, 15.656, 21.944



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, 77.848, 32.779



54, 99.400, 38.082



67, 63.560, 65.520



45, 4.791, 20.370



37, 79.909, 40.033



6, 27.000, 22.026

Inverse Universe

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



83, 43.226, 197.254



91, 49.193, 197.202



58, 51.769, 274.002



47, 4.512, 199.439



66, 38.051, 197.220



18, 15.986, 197.091

Previews

White Background



This preview shows how the CIELCh color 52, 77.851, 32.777 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, 77.851, 32.777 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, 77.851, 32.777

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.851, 32.777.



This preview shows how white text looks on a background with the CIELCh color 52, 77.851, 32.777.

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

52, 77.851, 32.777

Protanopia

52, 27.819, 96.308

Deuteranopia

52, 45.388, 80.943



Tritanopia
52, 77.529, 31.877

Trichromacy



Original Color
52, 77.851, 32.777

Protanomaly
50, 38.799, 49.529

Deuteranomaly
50, 52.537, 53.228

Tritanomaly
52, 77.786, 32.231

Monochromacy



Original Color
52, 77.851, 32.777

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 28.180, 23.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.851, 32.777 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, 57, 56)` looks like.

```
.text, #text, p{  
    color:rgb(231, 57, 56)  
}
```

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, 57, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 57, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.851, 32.777 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, 57, 56) }
```

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

```
.border{ border-color:rgb(231, 57, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 57, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 57, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 57, 56);  
box-shadow:4px 4px 4px 4px rgb(231, 57,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.851, 32.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 57, 56) }
```

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

```
.background{ background-color: rgb(231, 57,  
56) }
```

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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