

Converting Colors

CIELCh(52, 77.668, 34.382)

Have a look what the booklet for
CIELCh(52, 77.668, 34.382) contains.

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Color

CIELCh(52, 77.478, 34.142)

Conversions

Conversions Part 1

Format	Color
Hex	E53B35
RGB	229, 59, 53
RGB Percent	90%, 23%, 21%
CMY	0.1005, 0.7671, 0.7911
CMYK	0.00, 0.74, 0.77, 0.10
HSL	2°, 77%, 55%
HSV	2°, 77%, 90%
XYZ	34.6629, 20.1443, 5.4611
YIQ	109.1460, 103.2460, 34.1740

Conversions

Conversions Part 2

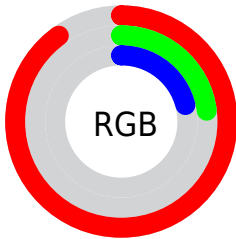
Format	Color
RYB	229, 59, 53
Decimal	15022901
CIELab	52.00, 64.12, 43.48
CIELCh	52, 77.478, 34.142
Yxy	20.1443, 0.5751, 0.3342
Android (android.graphics.Color)	4293212981 (0xFFE53B35)
YUV	109.1460, -27.6800, 105.1120
Hunter-Lab	44.8824, 59.3121, 24.2035

Details

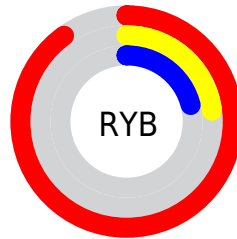
The CIELCh color **52, 77.478, 34.142** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **81, 41.776, 201.170**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 61.572, 34.209**, and **34, 73.335, 37.816** is the 20% darker color. If you saturate the color by 10%, you get **50, 87.328, 37.248**, and if you desaturate by 10%, it is **55, 66.531, 31.190**.

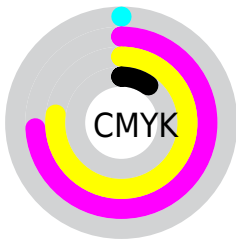
Distribution



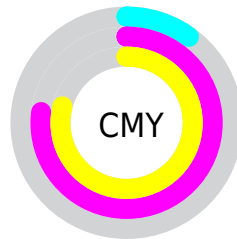
- Red (90%)
- Green (23%)
- Blue (21%)



- Red (90%)
- Yellow (23%)
- Blue (21%)



- Cyan (0%)
- Magenta (74%)
- Yellow (77%)
- Black (10%)



- Cyan (10%)
- Magenta (77%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.478, 34.142 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, 77.478, 34.142 by changing the saturation by 10% instead.

 52, 77.478, 34.142

 52, 77.478, 34.142

 100, 77.478,
34.142

 42, 77.478, 34.142

 72, 77.478, 34.142

 32, 77.478, 34.142

 82, 77.478, 34.142

 22, 77.478, 34.142

 92, 77.478, 34.142

 12, 77.478, 34.142

 2, 77.478, 34.142

 0, 77.478, 34.142

 52, 77.478, 34.142

 52, 77.478, 34.142

 50, 87.328, 37.248

 55, 66.531, 31.190

 48, 94.372, 39.578

 59, 55.297, 28.728

48, 96.088, 40.279

64, 44.213, 26.793

69, 33.563, 25.311

75, 23.518, 24.189

81, 14.158, 23.333

87, 5.493, 22.634

93, 2.507, 202.517

98, 8.730, 198.929

Harmonies

Complementary

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



52, 77.478, 34.142



81, 41.776, 201.170

Rectangle

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



52, 77.478, 34.142



52, 77.478, 84.142



52, 77.478, 214.142



52, 77.478, 264.142

Sweetspot

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



52, 77.475, 34.144



85, 21.696, 23.850



57, 95.801, 329.095



43, 15.235, 24.188



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, 77.475, 34.144



54, 99.538, 38.760



68, 64.033, 68.381



45, 4.655, 22.818



37, 79.504, 40.364



7, 26.442, 23.525

Inverse Universe

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



81, 41.776, 201.170



89, 47.435, 201.732



56, 55.152, 277.838



47, 4.381, 202.083



64, 36.566, 202.004



18, 15.451, 201.099

Previews

White Background



This preview shows how the CIELCh color 52, 77.478, 34.142 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, 77.478, 34.142 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, 77.478, 34.142

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.478, 34.142.



This preview shows how white text looks on a background with the CIELCh color 52, 77.478, 34.142.

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, 77.478, 34.142

Protanopia

52, 29.978, 96.708

Deuteranopia

52, 46.665, 81.390



Tritanopia
52, 76.235, 31.505

Trichromacy



Original Color
52, 77.478, 34.142

Protanomaly
50, 39.790, 52.186

Deuteranomaly
50, 53.508, 54.889

Tritanomaly
52, 76.544, 32.436

Monochromacy



Original Color
52, 77.478, 34.142

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 27.561, 26.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.478, 34.142 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(229, 59, 53)` looks like.

```
.text, #text, p{  
    color:rgb(229, 59, 53)  
}
```

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(229, 59, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 59, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.478, 34.142 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(229, 59, 53) }
```

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

```
.border{ border-color:rgb(229, 59, 53) }
```

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

Here you see how a box with a 4 pixel rgb(229, 59, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 59, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 59, 53);  
box-shadow:4px 4px 4px 4px rgb(229, 59,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.478, 34.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 59, 53) }
```

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

```
.background{ background-color: rgb(229, 59,  
53) }
```

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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