

Converting Colors

CIELCh(52, 72.907, 30.211)

Have a look what the booklet for
CIELCh(52, 72.907, 30.211) contains.

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Color

CIELCh(52, 72.980, 30.317)

Conversions

Conversions Part 1

Format	Color
Hex	E33E41
RGB	227, 62, 65
RGB Percent	89%, 24%, 25%
CMY	0.1100, 0.7570, 0.7452
CMYK	0.00, 0.73, 0.71, 0.11
HSL	359°, 75%, 57%
HSV	359°, 73%, 89%
XYZ	34.3365, 20.1443, 7.0742
YIQ	111.6770, 97.3770, 35.9130

Conversions

Conversions Part 2

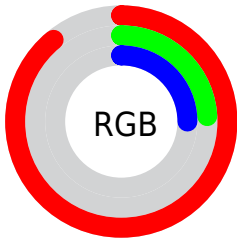
Format	Color
R_{YB}	227, 62, 65
Decimal	14892609
CIE _{Lab}	52.00, 63.00, 36.84
CIE _{LCh}	52, 72.980, 30.317
Yxy	20.1443, 0.5578, 0.3273
Android (android.graphics.Color)	4293082689 (0xFFE33E41)
YUV	111.6770, -23.0118, 101.1383
Hunter-Lab	44.8824, 58.0139, 22.0727

Details

The CIELCh color **52, 72.980, 30.317** 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, 42.610, 194.414**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.069, 29.885**, and **34, 69.415, 33.466** is the 20% darker color. If you saturate the color by 10%, you get **49, 82.894, 34.043**, and if you desaturate by 10%, it is **56, 62.272, 27.082**.

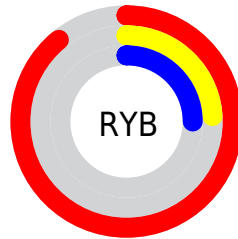
Distribution



Red (89%)

Green (24%)

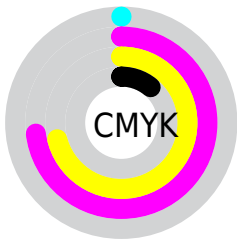
Blue (25%)



Red (89%)

Yellow (24%)

Blue (25%)

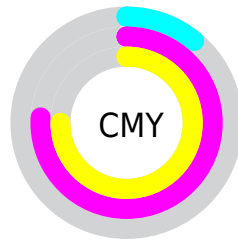


Cyan (0%)

Magenta (73%)

Yellow (71%)

Black (11%)



Cyan (11%)

Magenta (76%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 72.980, 30.317 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, 72.980, 30.317 by changing the saturation by 10% instead.

■ 52, 72.980, 30.317

■ 52, 72.980, 30.317

■ 100, 72.980,
30.317

■ 42, 72.980, 30.317

■ 72, 72.980, 30.317

■ 32, 72.980, 30.317

■ 82, 72.980, 30.317

■ 22, 72.980, 30.317

■ 92, 72.980, 30.317

■ 12, 72.980, 30.317

■ 2, 72.980, 30.317

■ 0, 72.980, 30.317

■ 52, 72.980, 30.317

■ 52, 72.980, 30.317

■ 49, 82.894, 34.043

■ 56, 62.272, 27.082

■ 48, 91.019, 37.614

■ 60, 51.298, 24.480

47, 94.999, 39.421

65, 40.434, 22.456

70, 29.962, 20.897

76, 20.057, 19.691

82, 10.802, 18.737

89, 2.209, 17.792

95, 5.750, 197.592

98, 9.530, 198.873

Harmonies

Complementary

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



52, 72.980, 30.317



83, 42.610, 194.414

Rectangle

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



52, 72.980, 30.317



52, 72.980, 80.317



52, 72.980, 210.317



52, 72.980, 260.317

Sweetspot

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



52, 72.977, 30.319



85, 21.324, 19.632



57, 94.073, 326.758



43, 14.474, 19.928



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, 72.977, 30.319



55, 95.198, 35.867



66, 60.138, 62.973



45, 4.815, 18.463



37, 79.172, 39.224



6, 27.043, 21.010

Inverse Universe

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



52, 72.977, 30.319



55, 95.198, 35.867



60, 46.556, 268.906



45, 4.815, 18.463



37, 79.172, 39.224



6, 27.043, 21.010

Previews

White Background



This preview shows how the CIELCh color 52, 72.980, 30.317 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, 72.980, 30.317 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, 72.980, 30.317

Background



This preview shows how black text looks on a background with the CIELCh color 52, 72.980, 30.317.



This preview shows how white text looks on a background with the CIELCh color 52, 72.980, 30.317.

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, 72.980, 30.317

Protanopia

52, 21.718, 95.606

Deuteranopia

52, 39.944, 80.017



Tritanopia
52, 72.980, 30.317

Trichromacy



Original Color
52, 72.980, 30.317

Protanomaly
50, 34.328, 44.106

Deuteranomaly
51, 47.373, 50.474

Tritanomaly
52, 72.980, 30.317

Monochromacy



Original Color
52, 72.980, 30.317

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 26.511, 21.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 72.980, 30.317 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(227, 62, 65)` looks like.

```
.text, #text, p{  
    color:rgb(227, 62, 65)  
}
```

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(227, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 62, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 72.980, 30.317 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(227, 62, 65) }
```

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

```
.border{ border-color:rgb(227, 62, 65) }
```

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

Here you see how a box with a 4 pixel rgb(227, 62, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 62, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 62, 65);  
box-shadow:4px 4px 4px 4px rgb(227, 62,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 72.980, 30.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 62, 65) }
```

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

```
.background{ background-color: rgb(227, 62,  
65) }
```

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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