

Converting Colors

CIELCh(53, 70.048, 30.390)

Have a look what the booklet for
CIELCh(53, 70.048, 30.390) contains.

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Color

CIELCh(53, 70.169, 30.711)

Conversions

Conversions Part 1

Format	Color
Hex	E34645
RGB	227, 70, 69
RGB Percent	89%, 27%, 27%
CMY	0.1111, 0.7267, 0.7303
CMYK	0.00, 0.69, 0.70, 0.11
HSL	0°, 74%, 58%
HSV	0°, 70%, 89%
XYZ	34.8127, 21.0462, 7.8188
YIQ	116.8290, 93.8930, 32.9730

Conversions

Conversions Part 2

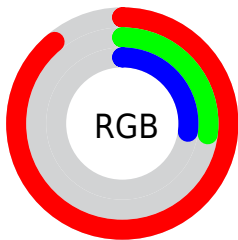
Format	Color
R_{YB}	227, 70, 69
Decimal	14894661
CIE Lab	53.00, 60.33, 35.84
CIE LCh	53, 70.169, 30.711
Yxy	21.0462, 0.5467, 0.3305
Android (android.graphics.Color)	4293084741 (0xFFE34645)
YUV	116.8290, -23.5797, 96.6200
Hunter-Lab	45.8761, 55.1700, 22.0084

Details

The CIELCh color **53, 70.169, 30.711** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **82, 41.027, 197.392**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 55.314, 30.116**, and **34, 68.587, 32.296** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.627, 34.134**, and if you desaturate by 10%, it is **57, 59.119, 27.795**.

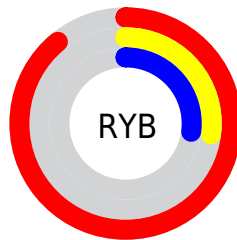
Distribution



Red (89%)

Green (27%)

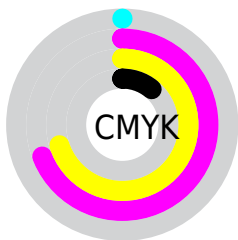
Blue (27%)



Red (89%)

Yellow (27%)

Blue (27%)

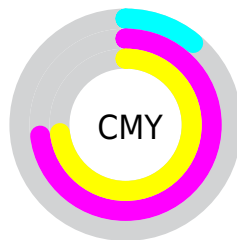


Cyan (0%)

Magenta (69%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (73%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 70.169, 30.711 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 53, 70.169, 30.711 by changing the saturation by 10% instead.

 53, 70.169, 30.711

 53, 70.169, 30.711

 100, 70.169,
30.711

 43, 70.169, 30.711

 73, 70.169, 30.711

 33, 70.169, 30.711

 83, 70.169, 30.711

 23, 70.169, 30.711

 93, 70.169, 30.711

 13, 70.169, 30.711

 3, 70.169, 30.711

 0, 70.169, 30.711

 53, 70.169, 30.711

 53, 70.169, 30.711

 50, 80.627, 34.134

 57, 59.119, 27.795

 48, 89.537, 37.530

 61, 47.992, 25.474

47, 95.407, 39.968

67, 37.139, 23.684

47, 95.593, 40.049

72, 26.794, 22.317

78, 17.090, 21.266

84, 8.073, 20.432

90, 0.268, 202.159

97, 7.974, 199.491

98, 9.623, 198.866

Harmonies

Complementary

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



53, 70.169, 30.711



82, 41.027, 197.392

Rectangle

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



53, 70.169, 30.711



53, 70.169, 80.711



53, 70.169, 210.711



53, 70.169, 260.711

Sweetspot

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



53, 70.166, 30.714



86, 20.195, 21.405



58, 91.676, 327.770



44, 13.818, 21.680



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 70.166, 30.714



55, 93.205, 35.854



68, 57.333, 66.472



44, 4.700, 20.415



36, 79.030, 40.022



6, 25.435, 21.230

Inverse Universe

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



82, 41.027, 197.392



91, 48.307, 197.283



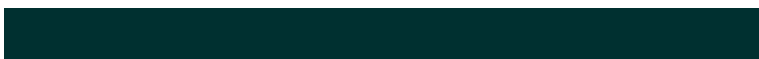
60, 47.093, 271.534



46, 4.427, 199.490



65, 37.617, 197.308



17, 15.474, 197.157

Previews

White Background



This preview shows how the CIELCh color 53, 70.169, 30.711 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 53, 70.169, 30.711 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 53, 70.169, 30.711

Background



This preview shows how black text looks on a background with the CIELCh color 53, 70.169, 30.711.



This preview shows how white text looks on a background with the CIELCh color 53, 70.169, 30.711.

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

53, 70.169, 30.711

Protanopia

53, 22.183, 95.891

Deuteranopia

53, 38.851, 79.722



Tritanopia
53, 69.477, 28.778

Trichromacy



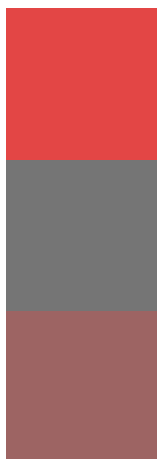
Original Color
53, 70.169, 30.711

Protanomaly
51, 33.323, 46.446

Deuteranomaly
52, 45.744, 51.228

Tritanomaly
53, 69.935, 29.619

Monochromacy



Original Color
53, 70.169, 30.711

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 25.075, 23.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 70.169, 30.711 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, 70, 69)` looks like.

```
.text, #text, p{  
    color:rgb(227, 70, 69)  
}
```

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, 70, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 70, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 70.169, 30.711 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, 70, 69) }
```

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

```
.border{ border-color:rgb(227, 70, 69) }
```

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

Here you see how a box with a 4 pixel rgb(227, 70, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 70, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 70, 69);  
box-shadow:4px 4px 4px 4px rgb(227, 70,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 70.169, 30.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 70, 69) }
```

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

```
.background{ background-color: rgb(227, 70,  
69) }
```

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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