

Converting Colors

CIELCh(55, 73.831, 30.641)

Have a look what the booklet for
CIELCh(55, 73.831, 30.641) contains.

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Color

CIELCh(55, 73.649, 30.401)

Conversions

Conversions Part 1

Format	Color
Hex	ED4647
RGB	237, 70, 71
RGB Percent	93%, 27%, 28%
CMY	0.0694, 0.7243, 0.7207
CMYK	0.00, 0.70, 0.70, 0.07
HSL	360°, 83%, 60%
HSV	360°, 70%, 93%
XYZ	38.3772, 22.9298, 8.4010
YIQ	120.0470, 99.2110, 35.7150

Conversions

Conversions Part 2

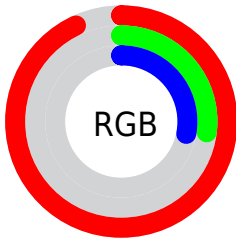
Format	Color
RYB	237, 70, 71
Decimal	15550023
CIELab	55.00, 63.52, 37.27
CIELCh	55, 73.649, 30.401
Yxy	22.9298, 0.5505, 0.3289
Android (android.graphics.Color)	4293740103 (0xFFED4647)
YUV	120.0470, -24.1802, 102.5678
Hunter-Lab	47.8851, 59.2586, 23.1177

Details

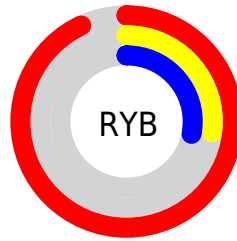
The CIELCh color **55, 73.649, 30.401** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **86, 43.154, 195.994**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.629, 29.553**, and **36, 71.340, 32.286** is the 20% darker color. If you saturate the color by 10%, you get **52, 84.304, 33.979**, and if you desaturate by 10%, it is **59, 62.294, 27.339**.

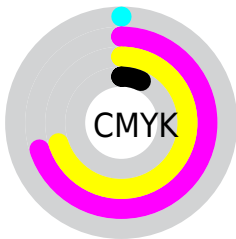
Distribution



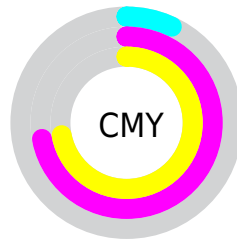
- Red (93%)
- Green (27%)
- Blue (28%)



- Red (93%)
- Yellow (27%)
- Blue (28%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 73.649, 30.401 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 55, 73.649, 30.401 by changing the saturation by 10% instead.

 55, 73.649, 30.401

 55, 73.649, 30.401

 100, 73.649,
30.401

 45, 73.649, 30.401

 75, 73.649, 30.401

 35, 73.649, 30.401

 85, 73.649, 30.401

 25, 73.649, 30.401

 95, 73.649, 30.401

 15, 73.649, 30.401

 5, 73.649, 30.401

 0, 73.649, 30.401

 55, 73.649, 30.401

 55, 73.649, 30.401

 52, 84.304, 33.979

 59, 62.294, 27.339

 50, 93.255, 37.496

 64, 50.783, 24.896

50, 98.803, 39.832

69, 39.493, 23.009

75, 28.691, 21.563

81, 18.530, 20.449

87, 9.073, 19.566

94, 0.318, 17.000

99, 6.077, 199.129

Harmonies

Complementary

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



55, 73.649, 30.401



86, 43.154, 195.994

Rectangle

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



55, 73.649, 30.401



55, 73.649, 80.401



55, 73.649, 210.401



55, 73.649, 260.401

Sweetspot

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



55, 73.646, 30.404



86, 20.300, 20.519



60, 95.572, 327.253



44, 13.887, 20.805



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 73.646, 30.404



55, 93.066, 35.431



70, 60.159, 64.800



47, 4.992, 19.493



38, 81.448, 39.769



8, 29.806, 23.587

Inverse Universe

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



55, 73.646, 30.404



55, 93.066, 35.431



63, 48.076, 270.008



47, 4.992, 19.493



38, 81.448, 39.769



8, 29.806, 23.587

Previews

White Background



This preview shows how the CIELCh color 55, 73.649, 30.401 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 55, 73.649, 30.401 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 55, 73.649, 30.401

Background



This preview shows how black text looks on a background with the CIELCh color 55, 73.649, 30.401.

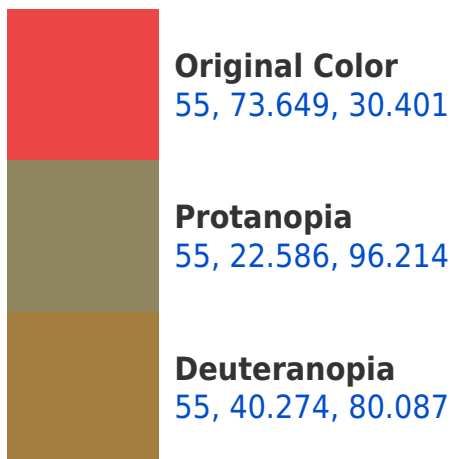


This preview shows how white text looks on a background with the CIELCh color 55, 73.649, 30.401.

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
55, 73.179, 29.618

Trichromacy



Original Color
55, 73.649, 30.401

Protanomaly
53, 34.642, 46.353

Deuteranomaly
54, 47.752, 51.232

Tritanomaly
55, 73.412, 30.011

Monochromacy



Original Color
55, 73.649, 30.401

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 26.652, 22.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 73.649, 30.401 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(237, 70, 71)` looks like.

```
.text, #text, p{  
    color:rgb(237, 70, 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(237, 70, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 70, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 73.649, 30.401 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(237, 70, 71) }
```

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

```
.border{ border-color:rgb(237, 70, 71) }
```

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

Here you see how a box with a 4 pixel rgb(237, 70, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 70, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 70, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 70,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 73.649, 30.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 70, 71) }
```

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

```
.background{ background-color: rgb(237, 70,  
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](#).

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