

# Converting Colors

CIELCh(54, 71.029, 31.229)

Have a look what the booklet for  
CIELCh(54, 71.029, 31.229) contains.

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# Color

**CIELCh(54, 71.291, 31.422)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E74845
RGB	231, 72, 69
RGB Percent	91%, 28%, 27%
CMY	0.0952, 0.7186, 0.7302
CMYK	0.00, 0.69, 0.70, 0.10
HSL	1°, 77%, 59%
HSV	1°, 70%, 90%
XYZ	36.2384, 21.9746, 7.9303
YIQ	119.1990, 95.7270, 32.7750

# Conversions

## Conversions Part 2

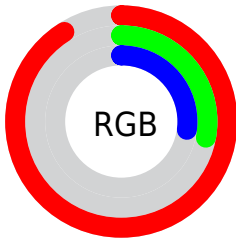
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 72, 69
Decimal	15157317
CIE <sub>Lab</sub>	54.00, 60.84, 37.17
CIE <sub>LCh</sub>	54, 71.291, 31.422
Yxy	21.9746, 0.5479, 0.3322
Android (android.graphics.Color)	4293347397 (0xFFE74845)
YUV	119.1990, -24.7481, 98.0495
Hunter-Lab	46.8770, 55.9552, 22.7837

# Details

The CIELCh color **54, 71.291, 31.422** 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 **83, 41.160, 198.912**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 54.733, 31.087**, and **35, 70.058, 32.639** is the 20% darker color. If you saturate the color by 10%, you get **51, 81.929, 34.708**, and if you desaturate by 10%, it is **58, 60.069, 28.601**.

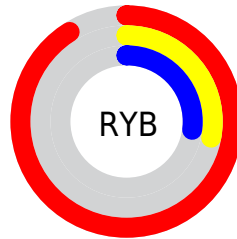
# Distribution



Red (91%)

Green (28%)

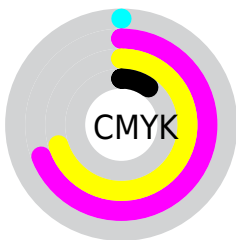
Blue (27%)



Red (91%)

Yellow (28%)

Blue (27%)

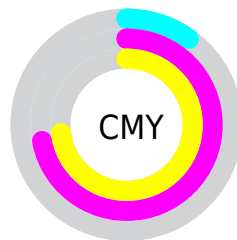


Cyan (0%)

Magenta (69%)

Yellow (70%)

Black (10%)



Cyan (10%)

Magenta (72%)

Yellow (73%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 71.291, 31.422 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 54, 71.291, 31.422 by changing the saturation by 10% instead.



 54, 71.291, 31.422

 54, 71.291, 31.422

 100, 71.291,  
31.422

 44, 71.291, 31.422

 74, 71.291, 31.422

 34, 71.291, 31.422

 84, 71.291, 31.422

 24, 71.291, 31.422

 94, 71.291, 31.422

 14, 71.291, 31.422

 4, 71.291, 31.422

 0, 71.291, 31.422

 54, 71.291, 31.422

 54, 71.291, 31.422

 51, 81.929, 34.708

 58, 60.069, 28.601

 49, 90.951, 37.907

 62, 48.801, 26.350

48, 96.728, 40.145

68, 37.834, 24.612

73, 27.398, 23.288

79, 17.619, 22.276

85, 8.539, 21.479

91, 0.146, 16.735

98, 7.607, 200.604

98, 8.278, 198.962

# Harmonies

# Complementary

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



54, 71.291, 31.422



83, 41.160, 198.912

# Rectangle

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



54, 71.291, 31.422



54, 71.291, 81.422



54, 71.291, 211.422



54, 71.291, 261.422

# Sweetspot

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



54, 71.288, 31.425



86, 19.959, 22.360



59, 92.373, 328.325



44, 13.658, 22.621



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



54, 71.288, 31.425



55, 92.850, 36.144



69, 58.683, 67.930



45, 4.730, 21.425



37, 79.731, 40.178



7, 26.754, 22.675





# Inverse Universe

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



83, 41.160, 198.912



90, 47.567, 199.002



60, 49.386, 273.548



47, 4.453, 200.578



65, 37.374, 199.263



18, 15.744, 198.809



# Previews

## White Background



This preview shows how the CIELCh color 54, 71.291, 31.422 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 54, 71.291, 31.422 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 54, 71.291, 31.422**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 71.291, 31.422.



This preview shows how white text looks on a background with the CIELCh color 54, 71.291, 31.422.

# 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

54, 71.291, 31.422

### Protanopia

54, 23.320, 95.235

### Deuteranopia

54, 39.941, 79.700



**Tritanopia**  
54, 70.346, 29.125



# Trichromacy



**Original Color**  
54, 71.291, 31.422

**Protanomaly**  
52, 34.281, 47.661

**Deuteranomaly**  
53, 47.122, 51.690

**Tritanomaly**  
54, 70.808, 29.950

# Monochromacy



**Original Color**  
54, 71.291, 31.422

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
49, 25.424, 23.916

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 71.291, 31.422 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, 72, 69)` looks like.

```
.text, #text, p{  
    color:rgb(231, 72, 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(231, 72, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 72, 69) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 71.291, 31.422 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, 72, 69) }
```

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

```
.border{ border-color:rgb(231, 72, 69) }
```

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

Here you see how a box with a 4 pixel rgb(231, 72, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 72, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 72, 69);  
box-shadow:4px 4px 4px 4px rgb(231, 72,  
69) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 71.291, 31.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 72, 69) }
```

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

```
.background{ background-color: rgb(231, 72,  
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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