

Converting Colors

CIELCh(53, 75.731, 31.226)

Have a look what the booklet for
CIELCh(53, 75.731, 31.226) contains.

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Color

CIELCh(53, 75.813, 31.394)

Conversions

Conversions Part 1

Format	Color
Hex	E93E3F
RGB	233, 62, 63
RGB Percent	91%, 24%, 25%
CMY	0.0874, 0.7579, 0.7537
CMYK	0.00, 0.73, 0.73, 0.09
HSL	360°, 79%, 58%
HSV	360°, 73%, 91%
XYZ	36.1090, 21.0462, 6.8317
YIQ	113.2430, 101.5950, 36.5630

Conversions

Conversions Part 2

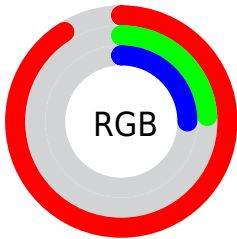
Format	Color
RYB	233, 62, 63
Decimal	15285823
CIELab	53.00, 64.71, 39.49
CIElCh	53, 75.813, 31.394
Yxy	21.0462, 0.5643, 0.3289
Android (android.graphics.Color)	4293475903 (0xFFE93E3F)
YUV	113.2430, -24.7698, 105.0269
Hunter-Lab	45.8761, 60.2138, 23.2840

Details

The CIELCh color **53, 75.813, 31.394** 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 **84, 43.368, 195.838**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.480, 30.865**, and **35, 72.057, 34.865** is the 20% darker color. If you saturate the color by 10%, you get **51, 85.933, 35.047**, and if you desaturate by 10%, it is **57, 64.785, 28.152**.

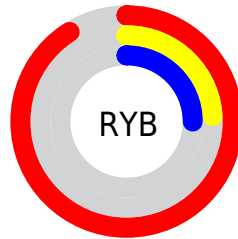
Distribution



Red (91%)

Green (24%)

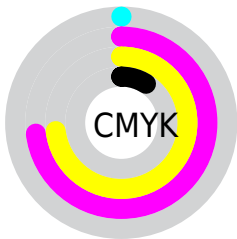
Blue (25%)



Red (91%)

Yellow (24%)

Blue (25%)

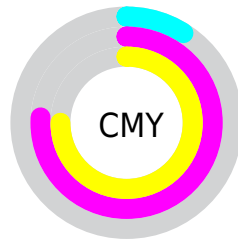


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (9%)



Cyan (9%)

Magenta (76%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 75.813, 31.394 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, 75.813, 31.394 by changing the saturation by 10% instead.

 53, 75.813, 31.394

 53, 75.813, 31.394

 100, 75.813,
31.394

 43, 75.813, 31.394

 73, 75.813, 31.394

 33, 75.813, 31.394

 83, 75.813, 31.394

 23, 75.813, 31.394

 93, 75.813, 31.394

 13, 75.813, 31.394

 3, 75.813, 31.394

 0, 75.813, 31.394

 53, 75.813, 31.394

 53, 75.813, 31.394

 51, 85.933, 35.047

 57, 64.785, 28.152

 49, 93.888, 38.335

 61, 53.466, 25.524

49, 97.322, 39.805

66, 42.260, 23.479

72, 31.463, 21.911

78, 21.261, 20.706

84, 11.739, 19.763

90, 2.911, 18.889

96, 5.254, 198.659

98, 7.618, 199.010

Harmonies

Complementary

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



53, 75.813, 31.394



84, 43.368, 195.838

Rectangle

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



53, 75.813, 31.394



53, 75.813, 81.394



53, 75.813, 211.394



53, 75.813, 261.394

Sweetspot

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



53, 75.810, 31.396



85, 21.348, 20.564



58, 96.651, 327.325



43, 14.494, 20.852



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, 75.810, 31.396



54, 96.749, 36.804



68, 62.006, 64.362



46, 4.904, 19.432



38, 80.563, 39.730



7, 28.508, 22.463

Inverse Universe

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



53, 75.810, 31.396



54, 96.749, 36.804



61, 49.255, 271.211



46, 4.904, 19.432



38, 80.563, 39.730



7, 28.508, 22.463

Previews

White Background



This preview shows how the CIELCh color 53, 75.813, 31.394 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, 75.813, 31.394 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, 75.813, 31.394

Background



This preview shows how black text looks on a background with the CIELCh color 53, 75.813, 31.394.



This preview shows how white text looks on a background with the CIELCh color 53, 75.813, 31.394.

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, 75.813, 31.394

Protanopia
53, 24.479, 95.537

Deuteranopia
53, 42.830, 80.829



Tritanopia
53, 75.564, 31.022

Trichromacy



Original Color
53, 75.813, 31.394

Protanomaly
51, 36.359, 46.535

Deuteranomaly
51, 49.989, 51.558

Tritanomaly
53, 75.564, 31.022

Monochromacy



Original Color
53, 75.813, 31.394

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 27.853, 22.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 75.813, 31.394 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(233, 62, 63)` looks like.

```
.text, #text, p{  
    color:rgb(233, 62, 63)  
}
```

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(233, 62, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 62, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 75.813, 31.394 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(233, 62, 63) }
```

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

```
.border{ border-color:rgb(233, 62, 63) }
```

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

Here you see how a box with a 4 pixel rgb(233, 62, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 62, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 62, 63);  
box-shadow:4px 4px 4px 4px rgb(233, 62,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 75.813, 31.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 62, 63) }
```

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

```
.background{ background-color: rgb(233, 62,  
63) }
```

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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