

Converting Colors

CIELCh(53, 76.519, 32.013)

Have a look what the booklet for
CIELCh(53, 76.519, 32.013) contains.

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Color

CIELCh(53, 76.528, 31.910)

Conversions

Conversions Part 1

Format	Color
Hex	E93D3D
RGB	233, 61, 61
RGB Percent	91%, 24%, 24%
CMY	0.0856, 0.7601, 0.7603
CMYK	0.00, 0.74, 0.74, 0.09
HSL	0°, 80%, 58%
HSV	0°, 74%, 91%
XYZ	36.1834, 21.0462, 6.5873
YIQ	112.4280, 102.5120, 36.4640

Conversions

Conversions Part 2

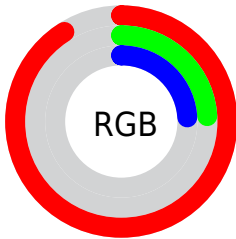
Format	Color
R_{YB}	233, 61, 61
Decimal	15285565
CIE Lab	53.00, 64.96, 40.45
CIE LCh	53, 76.528, 31.910
Yxy	21.0462, 0.5670, 0.3298
Android (android.graphics.Color)	4293475645 (0xFFE93D3D)
YUV	112.4280, -25.3540, 105.7416
Hunter-Lab	45.8761, 60.5034, 23.5999

Details

The CIELCh color **53, 76.528, 31.910** 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 **85, 43.352, 196.642**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.910, 31.828**, and **35, 72.585, 35.507** is the 20% darker color. If you saturate the color by 10%, you get **51, 86.674, 35.506**, and if you desaturate by 10%, it is **57, 65.423, 28.682**.

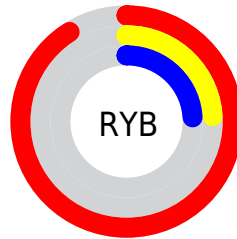
Distribution



Red (91%)

Green (24%)

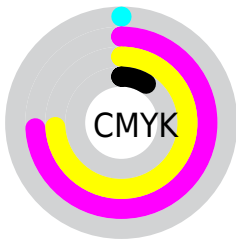
Blue (24%)



Red (91%)

Yellow (24%)

Blue (24%)

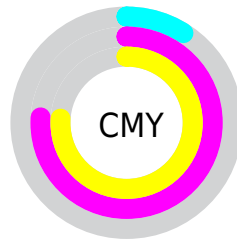


Cyan (0%)

Magenta (74%)

Yellow (74%)

Black (9%)



Cyan (9%)

Magenta (76%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 76.528, 31.910 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, 76.528, 31.910 by changing the saturation by 10% instead.

 53, 76.528, 31.910

 53, 76.528, 31.910

 100, 76.528,
31.910

 43, 76.528, 31.910

 73, 76.528, 31.910

 33, 76.528, 31.910

 83, 76.528, 31.910

 23, 76.528, 31.910

 93, 76.528, 31.910

 13, 76.528, 31.910

 3, 76.528, 31.910

 0, 76.528, 31.910

 53, 76.528, 31.910

 53, 76.528, 31.910

 51, 86.674, 35.506

 57, 65.423, 28.682

 49, 94.478, 38.634

 61, 54.021, 26.055

49, 97.726, 40.003

66, 42.738, 24.011

72, 31.874, 22.446

77, 21.614, 21.248

84, 12.045, 20.315

90, 3.180, 19.469

96, 5.013, 199.239

98, 7.464, 199.022

Harmonies

Complementary

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



53, 76.528, 31.910



85, 43.352, 196.642

Rectangle

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



53, 76.528, 31.910



53, 76.528, 81.910



53, 76.528, 211.910



53, 76.528, 261.910

Sweetspot

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



53, 76.525, 31.912



85, 21.356, 21.075



59, 97.128, 327.884



43, 14.501, 21.359



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, 76.525, 31.912



54, 97.924, 37.416



68, 62.342, 65.833



46, 4.903, 19.964



38, 80.842, 39.989



7, 28.528, 22.733

Inverse Universe

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



85, 43.352, 196.642



91, 49.328, 196.479



60, 50.881, 273.200



48, 4.618, 198.998



67, 38.733, 196.439



19, 16.587, 196.431

Previews

White Background



This preview shows how the CIELCh color 53, 76.528, 31.910 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, 76.528, 31.910 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, 76.528, 31.910

Background



This preview shows how black text looks on a background with the CIELCh color 53, 76.528, 31.910.



This preview shows how white text looks on a background with the CIELCh color 53, 76.528, 31.910.

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, 76.528, 31.910

Protanopia

53, 25.573, 95.853

Deuteranopia

53, 43.739, 81.188



Tritanopia
53, 76.024, 31.179

Trichromacy



Original Color
53, 76.528, 31.910

Protanomaly
51, 37.475, 47.629

Deuteranomaly
51, 50.727, 52.373

Tritanomaly
53, 76.274, 31.547

Monochromacy



Original Color
53, 76.528, 31.910

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 27.958, 23.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 76.528, 31.910 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, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(233, 61, 61)  
}
```

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, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 61, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 76.528, 31.910 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, 61, 61) }
```

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

```
.border{ border-color:rgb(233, 61, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 61, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(233, 61,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 76.528, 31.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 61, 61) }
```

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

```
.background{ background-color: rgb(233, 61,  
61) }
```

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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