

Converting Colors

CIELCh(53, 79.634, 37.065)

Have a look what the booklet for
CIELCh(53, 79.634, 37.065) contains.

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Color

CIELCh(53, 79.890, 36.980)

Conversions

Conversions Part 1

Format	Color
Hex	E93F2F
RGB	233, 63, 47
RGB Percent	91%, 25%, 18%
CMY	0.0868, 0.7534, 0.8161
CMYK	0.00, 0.73, 0.80, 0.09
HSL	5°, 81%, 55%
HSV	5°, 80%, 91%
XYZ	35.8420, 21.0462, 4.8526
YIQ	112.0060, 106.4560, 31.0640

Conversions

Conversions Part 2

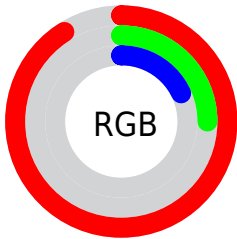
Format	Color
R_{YB}	233, 65, 47
Decimal	15286063
CIE _{Lab}	53.00, 63.82, 48.06
CIE _{LCh}	53, 79.890, 36.980
Yxy	21.0462, 0.5805, 0.3409
Android (android.graphics.Color)	4293476143 (0xFFE93F2F)
YUV	112.0060, -32.0480, 106.1117
Hunter-Lab	45.8761, 59.1751, 25.8419

Details

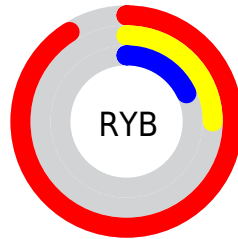
The CIELCh color **53, 79.890, 36.980** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **80, 40.667, 209.035**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 62.151, 38.510**, and **35, 76.701, 39.874** is the 20% darker color. If you saturate the color by 10%, you get **51, 89.613, 39.266**, and if you desaturate by 10%, it is **56, 68.822, 34.575**.

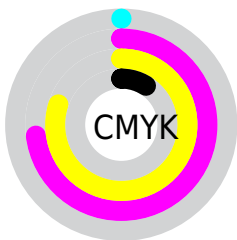
Distribution



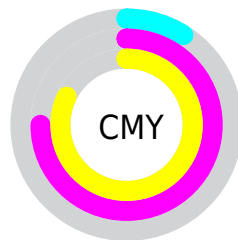
- Red (91%)
- Green (25%)
- Blue (18%)



- Red (91%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (73%)
- Yellow (80%)
- Black (9%)



- Cyan (9%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 79.890, 36.980 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, 79.890, 36.980 by changing the saturation by 10% instead.

■ 53, 79.890, 36.980

■ 53, 79.890, 36.980

■ 100, 79.890,
36.980

■ 43, 79.890, 36.980

■ 73, 79.890, 36.980

■ 33, 79.890, 36.980

■ 83, 79.890, 36.980

■ 23, 79.890, 36.980

■ 93, 79.890, 36.980

■ 13, 79.890, 36.980

■ 3, 79.890, 36.980

■ 0, 79.890, 36.980

■ 53, 79.890, 36.980

■ 53, 79.890, 36.980

■ 51, 89.613, 39.266

■ 56, 68.822, 34.575

■ 49, 96.330, 40.755

■ 60, 57.471, 32.492

49, 96.415, 40.781

65, 46.337, 30.835

70, 35.696, 29.575

75, 25.696, 28.642

81, 16.400, 27.960

86, 7.810, 27.447

92, 0.109, 212.915

98, 7.380, 201.189

Harmonies

Complementary

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



53, 79.890, 36.980



80, 40.667, 209.035

Rectangle

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



53, 79.890, 36.980



53, 79.890, 86.980



53, 79.890, 216.980



53, 79.890, 266.980

Sweetspot

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



53, 79.887, 36.982



85, 21.716, 28.224



56, 95.444, 331.084



43, 15.140, 28.476



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, 79.887, 36.982



54, 101.012, 40.231



70, 67.427, 72.319



46, 4.521, 27.428



38, 79.603, 40.982



8, 26.818, 27.388

Inverse Universe

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



80, 40.667, 209.035



85, 45.022, 211.128



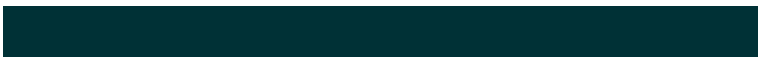
53, 63.265, 283.656



48, 4.251, 207.073



62, 34.922, 211.376



18, 15.134, 208.963

Previews

White Background



This preview shows how the CIELCh color 53, 79.890, 36.980 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, 79.890, 36.980 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, 79.890, 36.980

Background



This preview shows how black text looks on a background with the CIELCh color 53, 79.890, 36.980.



This preview shows how white text looks on a background with the CIELCh color 53, 79.890, 36.980.

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, 79.890, 36.980

Protanopia

53, 35.346, 95.933

Deuteranopia

53, 51.524, 82.508



Tritanopia
53, 76.024, 31.179

Trichromacy



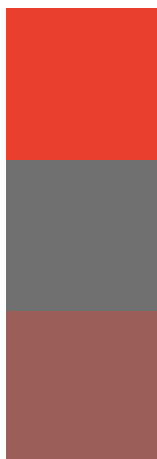
Original Color
53, 79.890, 36.980

Protanomaly
51, 44.257, 57.364

Deuteranomaly
51, 57.193, 58.255

Tritanomaly
53, 77.362, 33.537

Monochromacy



Original Color
53, 79.890, 36.980

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 28.403, 30.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 79.890, 36.980 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, 63, 47)` looks like.

```
.text, #text, p{  
    color:rgb(233, 63, 47)  
}
```

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, 63, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 63, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 79.890, 36.980 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, 63, 47) }
```

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

```
.border{ border-color:rgb(233, 63, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 63, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 63, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 63, 47);  
box-shadow:4px 4px 4px 4px rgb(233, 63,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 79.890, 36.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 63, 47) }
```

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

```
.background{ background-color: rgb(233, 63,  
47) }
```

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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