

Converting Colors

CIELCh(53, 70.786, 40.357)

Have a look what the booklet for
CIELCh(53, 70.786, 40.357) contains.

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Color

CIELCh(53, 70.484, 40.440)

Conversions

Conversions Part 1

Format	Color
Hex	DC4F32
RGB	220, 79, 50
RGB Percent	86%, 31%, 20%
CMY	0.1371, 0.6901, 0.8038
CMYK	0.00, 0.64, 0.77, 0.14
HSL	10°, 71%, 53%
HSV	10°, 77%, 86%
XYZ	32.8977, 21.0462, 5.3484
YIQ	117.8530, 93.3450, 20.8730

Conversions

Conversions Part 2

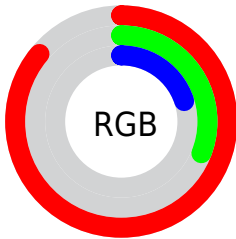
Format	Color
RYB	220, 85, 50
Decimal	14438194
CIELab	53.00, 53.64, 45.72
CIElCh	53, 70.484, 40.440
Yxy	21.0462, 0.5548, 0.3550
Android (android.graphics.Color)	4292628274 (0xFFDC4F32)
YUV	117.8530, -33.4515, 89.5829
Hunter-Lab	45.8761, 47.7189, 25.2011

Details

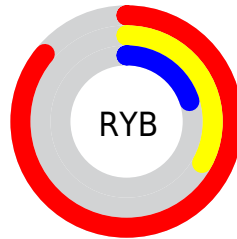
The CIELCh color **53, 70.484, 40.440** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **72, 36.623, 223.053**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.688, 42.955**, and **33, 70.551, 40.547** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.490, 41.692**, and if you desaturate by 10%, it is **56, 59.803, 39.122**.

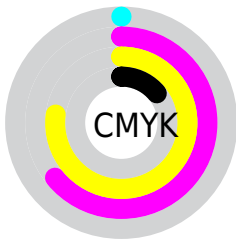
Distribution



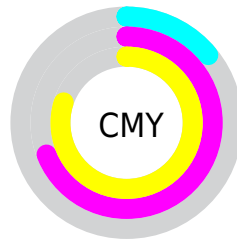
- Red (86%)
- Green (31%)
- Blue (20%)



- Red (86%)
- Yellow (33%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (77%)
- Black (14%)



- Cyan (14%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 70.484, 40.440 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, 70.484, 40.440 by changing the saturation by 10% instead.

■ 53, 70.484, 40.440

■ 53, 70.484, 40.440

■ 100, 70.484,
40.440

■ 43, 70.484, 40.440

■ 73, 70.484, 40.440

■ 33, 70.484, 40.440

■ 83, 70.484, 40.440

■ 23, 70.484, 40.440

■ 93, 70.484, 40.440

■ 13, 70.484, 40.440

■ 3, 70.484, 40.440

■ 0, 70.484, 40.440

■ 53, 70.484, 40.440

■ 53, 70.484, 40.440

■ 50, 80.490, 41.692

■ 56, 59.803, 39.122

■ 48, 88.278, 42.232

■ 60, 49.230, 38.011

48, 90.124, 42.425

65, 39.112, 37.177

69, 29.608, 36.606

74, 20.774, 36.254

79, 12.614, 36.070

84, 5.092, 35.973

89, 1.843, 216.484

94, 8.248, 216.388

Harmonies

Complementary

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



53, 70.484, 40.440



72, 36.623, 223.053

Rectangle

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



53, 70.484, 40.440



53, 70.484, 90.440



53, 70.484, 220.440



53, 70.484, 270.440

Sweetspot

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



53, 70.481, 40.443



87, 19.416, 36.162



53, 84.856, 334.462



44, 13.646, 36.243



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, 70.481, 40.443



56, 96.033, 42.153



71, 63.952, 80.237



43, 4.003, 35.996



38, 75.080, 42.767



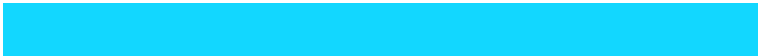
7, 21.315, 29.517

Inverse Universe

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



72, 36.623, 223.053



79, 43.162, 227.542



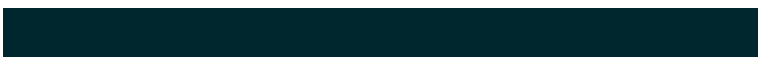
47, 66.828, 288.853



45, 3.770, 216.361



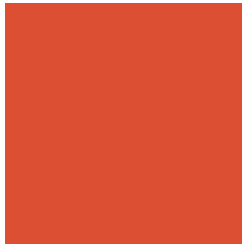
55, 32.616, 228.979



13, 13.138, 222.649

Previews

White Background



This preview shows how the CIELCh color 53, 70.484, 40.440 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, 70.484, 40.440 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, 70.484, 40.440

Background



This preview shows how black text looks on a background with the CIELCh color 53, 70.484, 40.440.



This preview shows how white text looks on a background with the CIELCh color 53, 70.484, 40.440.

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, 70.484, 40.440

Protanopia

53, 35.860, 95.995

Deuteranopia

53, 48.658, 82.252



Tritanopia
53, 64.024, 26.971

Trichromacy



Original Color
53, 70.484, 40.440

Protanomaly
52, 41.772, 63.841

Deuteranomaly
52, 52.673, 61.722

Tritanomaly
53, 66.271, 32.246

Monochromacy



Original Color
53, 70.484, 40.440

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 23.961, 37.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 70.484, 40.440 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(220, 79, 50)` looks like.

```
.text, #text, p{  
    color:rgb(220, 79, 50)  
}
```

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(220, 79, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 79, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 70.484, 40.440 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(220, 79, 50) }
```

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

```
.border{ border-color:rgb(220, 79, 50) }
```

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

Here you see how a box with a 4 pixel rgb(220, 79, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 79, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 79, 50);  
box-shadow:4px 4px 4px 4px rgb(220, 79,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 70.484, 40.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 79, 50) }
```

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

```
.background{ background-color: rgb(220, 79,  
50) }
```

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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