

Converting Colors

CIELCh(53, 71.337, 44.802)

Have a look what the booklet for
CIELCh(53, 71.337, 44.802) contains.

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Color

CIELCh(53, 71.436, 44.969)

Conversions

Conversions Part 1

Format	Color
Hex	D95328
RGB	217, 83, 40
RGB Percent	85%, 33%, 16%
CMY	0.1496, 0.6750, 0.8436
CMYK	0.00, 0.62, 0.82, 0.15
HSL	15°, 70%, 50%
HSV	15°, 82%, 85%
XYZ	32.0327, 21.0462, 4.3708
YIQ	118.1640, 93.6670, 15.0350

Conversions

Conversions Part 2

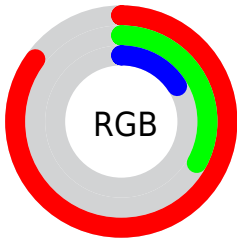
Format	Color
RYB	217, 97, 40
Decimal	14242600
CIELab	53.00, 50.54, 50.49
CIElCh	53, 71.436, 44.969
Yxy	21.0462, 0.5576, 0.3663
Android (android.graphics.Color)	4292432680 (0xFFD95328)
YUV	118.1640, -38.5349, 86.6792
Hunter-Lab	45.8761, 44.3534, 26.4645

Details

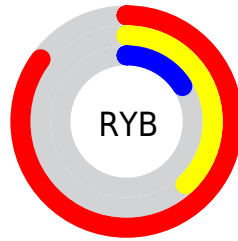
The CIELCh color **53, 71.436, 44.969** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **66, 37.339, 237.628**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 61.023, 47.917**, and **33, 68.614, 42.577** is the 20% darker color. If you saturate the color by 10%, you get **50, 80.491, 45.063**, and if you desaturate by 10%, it is **56, 61.271, 44.495**.

Distribution



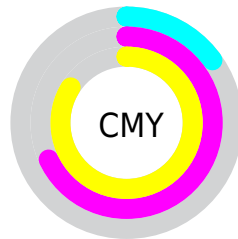
- Red (85%)
- Green (33%)
- Blue (16%)



- Red (85%)
- Yellow (38%)
- Blue (16%)



- Cyan (0%)
- Magenta (62%)
- Yellow (82%)
- Black (15%)



- Cyan (15%)
- Magenta (68%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 71.436, 44.969 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, 71.436, 44.969 by changing the saturation by 10% instead.

53, 71.436, 44.969

53, 71.436, 44.969

100, 71.436,
44.969

43, 71.436, 44.969

73, 71.436, 44.969

33, 71.436, 44.969

83, 71.436, 44.969

23, 71.436, 44.969

93, 71.436, 44.969

13, 71.436, 44.969

3, 71.436, 44.969

0, 71.436, 44.969

53, 71.436, 44.969

53, 71.436, 44.969

50, 80.491, 45.063

56, 61.271, 44.495

49, 86.451, 44.680

60, 51.031, 44.029

64, 41.174, 43.715

68, 31.893, 43.582

72, 23.253, 43.617

77, 15.257, 43.788

81, 7.871, 44.049

86, 1.046, 43.962

91, 5.274, 225.049

Harmonies

Complementary

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



53, 71.436, 44.969



66, 37.339, 237.628

Rectangle

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



53, 71.436, 44.969



53, 71.436, 94.969



53, 71.436, 224.969



53, 71.436, 274.969

Sweetspot

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



53, 71.434, 44.972



87, 19.535, 43.733



51, 82.160, 338.122



45, 13.620, 43.668



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, 71.434, 44.972



57, 96.598, 44.537



72, 67.625, 85.115



44, 3.851, 44.108



39, 72.773, 45.111



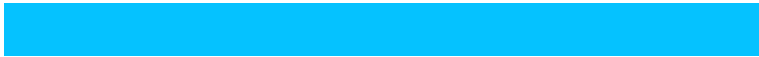
7, 20.400, 34.184

Inverse Universe

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



66, 37.339, 237.628



74, 45.320, 244.863



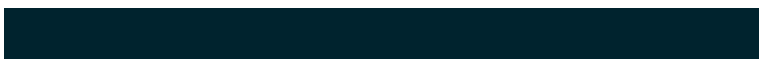
42, 77.640, 294.362



45, 3.641, 225.121



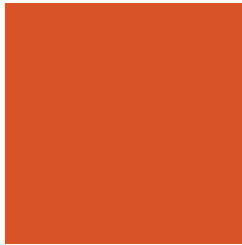
51, 33.967, 244.544



12, 13.217, 235.614

Previews

White Background



This preview shows how the CIELCh color 53, 71.436, 44.969 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, 71.436, 44.969 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, 71.436, 44.969

Background



This preview shows how black text looks on a background with the CIELCh color 53, 71.436, 44.969.



This preview shows how white text looks on a background with the CIELCh color 53, 71.436, 44.969.

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, 71.436, 44.969

Protanopia

53, 41.966, 95.222

Deuteranopia

53, 53.227, 82.943



Tritanopia
53, 61.374, 26.279

Trichromacy



Original Color
53, 71.436, 44.969

Protanomaly
52, 46.490, 68.307

Deuteranomaly
52, 56.573, 64.916

Tritanomaly
53, 64.554, 34.390

Monochromacy



Original Color
53, 71.436, 44.969

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 24.106, 42.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 71.436, 44.969 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(217, 83, 40)` looks like.

```
.text, #text, p{  
    color:rgb(217, 83, 40)  
}
```

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(217, 83, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 83, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 71.436, 44.969 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(217, 83, 40) }
```

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

```
.border{ border-color:rgb(217, 83, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 83, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 83, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 83, 40);  
box-shadow:4px 4px 4px 4px rgb(217, 83,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 71.436, 44.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 83, 40) }
```

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

```
.background{ background-color: rgb(217, 83,  
40) }
```

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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