

Converting Colors

CIELCh(53, 99.495, 41.589)

Have a look what the booklet for
CIELCh(53, 99.495, 41.589) contains.

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Color

CIELCh(53, 99.313, 41.537)

Conversions

Conversions Part 1

Format	Color
Hex	F72301
RGB	247, 35, 1
RGB Percent	97%, 14%, 0%
CMY	0.0304, 0.8612, 0.9951
CMYK	0.00, 0.86, 0.99, 0.03
HSL	8°, 99%, 49%
HSV	8°, 99%, 97%
XYZ	39.0651, 21.0462, 2.0390
YIQ	94.5120, 137.2660, 34.3700

Conversions

Conversions Part 2

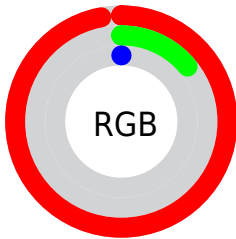
Format	Color
RYB	247, 40, 1
Decimal	16196353
CIELab	53.00, 74.34, 65.85
CIElCh	53, 99.313, 41.537
Yxy	21.0462, 0.6286, 0.3386
Android (android.graphics.Color)	4294386433 (0xFFFF72301)
YUV	94.5120, -46.1014, 133.7320
Hunter-Lab	45.8761, 71.7159, 29.4781

Details

The CIELCh color **53, 99.313, 41.537** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **79, 42.646, 222.659**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 75.974, 44.319**, and **37, 80.493, 39.980** is the 20% darker color. If you saturate the color by 10%, you get **53, 99.637, 41.589**, and if you desaturate by 10%, it is **55, 91.876, 40.812**.

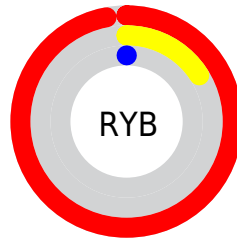
Distribution



Red (97%)

Green (14%)

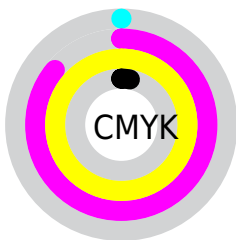
Blue (0%)



Red (97%)

Yellow (16%)

Blue (0%)

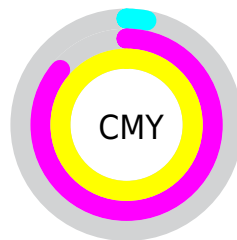


Cyan (0%)

Magenta (86%)

Yellow (99%)

Black (3%)



Cyan (3%)

Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 99.313, 41.537 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, 99.313, 41.537 by changing the saturation by 10% instead.

 53, 99.313, 41.537

 53, 99.313, 41.537

 100, 99.313,
41.537

 43, 99.313, 41.537

 73, 99.313, 41.537

 33, 99.313, 41.537

 83, 99.313, 41.537

 23, 99.313, 41.537

 93, 99.313, 41.537

 13, 99.313, 41.537

 3, 99.313, 41.537

 0, 99.313, 41.537

 53, 99.313, 41.537

 53, 99.313, 41.537

 53, 99.637, 41.589

 55, 91.876, 40.812

 58, 81.400, 39.247

61, 69.711, 37.502

65, 57.898, 35.980

70, 46.458, 34.788

75, 35.632, 33.914

80, 25.528, 33.307

86, 16.176, 32.909

92, 7.555, 32.645

Harmonies

Complementary

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



53, 99.313, 41.537



79, 42.646, 222.659

Rectangle

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



53, 99.313, 41.537



53, 99.313, 91.537



53, 99.313, 221.537



53, 99.313, 271.537

Sweetspot

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



53, 99.309, 41.539



82, 26.683, 33.335



57, 101.478, 334.459



41, 18.529, 33.567



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, 99.309, 41.539



55, 102.036, 41.561



72, 80.501, 72.014



48, 4.484, 32.645



40, 80.143, 41.898



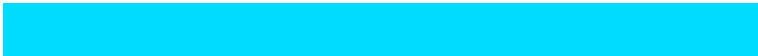
10, 28.381, 32.437

Inverse Universe

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



79, 42.646, 222.659



81, 43.670, 222.843



45, 91.729, 295.158



50, 4.216, 212.727



61, 34.500, 222.270



19, 15.459, 218.395

Previews

White Background



This preview shows how the CIELCh color 53, 99.313, 41.537 looks on a white background.

Color Contrast Check

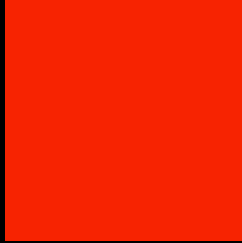
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.313, 41.537 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, 99.313, 41.537

Background



This preview shows how black text looks on a background with the CIELCh color 53, 99.313, 41.537.

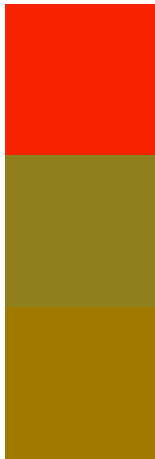


This preview shows how white text looks on a background with the CIELCh color 53, 99.313, 41.537.

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, 99.313, 41.537

Protanopia

53, 50.868, 95.137

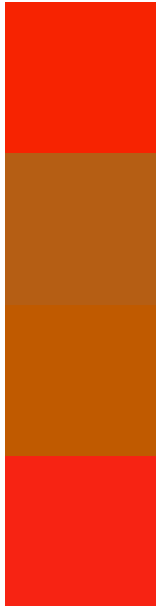
Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 94.327, 37.537

Trichromacy



Original Color
53, 99.313, 41.537

Protanomaly
49, 61.270, 59.897

Deuteranomaly
50, 69.857, 57.981

Tritanomaly
53, 96.415, 39.420

Monochromacy



Original Color
53, 99.313, 41.537

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 38.262, 35.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 99.313, 41.537 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(247, 35, 1)` looks like.

```
.text, #text, p{  
    color:rgb(247, 35, 1)  
}
```

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(247, 35, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 35, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 99.313, 41.537 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(247, 35, 1) }
```

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

```
.border{ border-color:rgb(247, 35, 1) }
```

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

Here you see how a box with a 4 pixel rgb(247, 35, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 35, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 35, 1);  
box-shadow:4px 4px 4px 4px rgb(247, 35, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 99.313, 41.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 35, 1) }
```

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

```
.background{ background-color: rgb(247, 35,  
1) }
```

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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