

Converting Colors

CIELCh(53, 95.113, 43.354)

Have a look what the booklet for
CIELCh(53, 95.113, 43.354) contains.

CIELCh(53, 94.985, 43.345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 94.985, 43.345)

Conversions

Conversions Part 1

Format	Color
Hex	F13301
RGB	241, 51, 1
RGB Percent	95%, 20%, 0%
CMY	0.0553, 0.8003, 0.9964
CMYK	0.00, 0.79, 1.00, 0.06
HSL	13°, 99%, 47%
HSV	13°, 100%, 94%
XYZ	37.4296, 21.0462, 2.1157
YIQ	102.1100, 129.2900, 24.7300

Conversions

Conversions Part 2

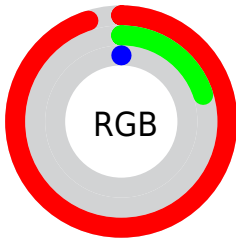
Format	Color
R_{YB}	241, 64, 1
Decimal	15807233
CIE Lab	53.00, 69.08, 65.20
CIE LCh	53, 94.985, 43.345
Yxy	21.0462, 0.6177, 0.3473
Android (android.graphics.Color)	4293997313 (0xFFFF13301)
YUV	102.1100, -49.8472, 121.8065
Hunter-Lab	45.8761, 65.3521, 29.3789

Details

The CIELCh color **53, 94.985, 43.345** 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 **72, 42.332, 237.988**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 74.126, 46.807**, and **36, 78.787, 39.944** is the 20% darker color. If you saturate the color by 10%, you get **53, 95.248, 43.354**, and if you desaturate by 10%, it is **55, 87.334, 43.489**.

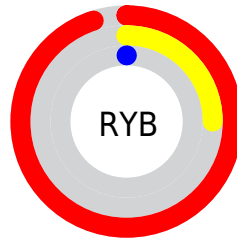
Distribution



Red (95%)

Green (20%)

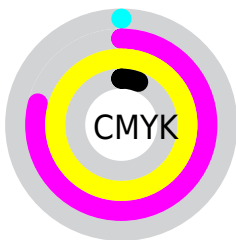
Blue (0%)



Red (95%)

Yellow (25%)

Blue (0%)

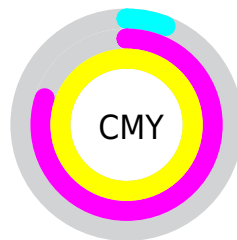


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 94.985, 43.345 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, 94.985, 43.345 by changing the saturation by 10% instead.

 53, 94.985, 43.345

 53, 94.985, 43.345

 100, 94.985,
43.345

 43, 94.985, 43.345

 73, 94.985, 43.345

 33, 94.985, 43.345

 83, 94.985, 43.345

 23, 94.985, 43.345

 93, 94.985, 43.345

 13, 94.985, 43.345

 3, 94.985, 43.345

 0, 94.985, 43.345

 53, 94.985, 43.345

 53, 94.985, 43.345

 53, 95.248, 43.354

 55, 87.334, 43.489

 58, 77.066, 42.858

62, 65.770, 41.962

66, 54.476, 41.165

70, 43.639, 40.582

75, 33.451, 40.224

80, 23.982, 40.063

85, 15.233, 40.057

90, 7.166, 40.147

Harmonies

Complementary

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



53, 94.985, 43.345



72, 42.332, 237.988

Rectangle

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



53, 94.985, 43.345



53, 94.985, 93.345



53, 94.985, 223.345



53, 94.985, 273.345

Sweetspot

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



53, 94.982, 43.347



84, 25.485, 40.067



55, 94.544, 338.318



42, 17.699, 40.117



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, 94.982, 43.347



56, 99.537, 43.281



74, 79.200, 78.399



47, 4.212, 40.148



40, 77.249, 43.777



10, 26.086, 35.577

Inverse Universe

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



72, 42.332, 237.988



76, 44.253, 238.281



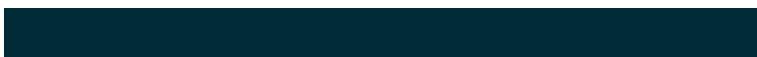
40, 99.898, 298.805



49, 3.971, 220.855



56, 34.485, 237.366



16, 14.877, 231.049

Previews

White Background



This preview shows how the CIELCh color 53, 94.985, 43.345 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, 94.985, 43.345 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, 94.985, 43.345

Background



This preview shows how black text looks on a background with the CIELCh color 53, 94.985, 43.345.



This preview shows how white text looks on a background with the CIELCh color 53, 94.985, 43.345.

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, 94.985, 43.345

Protanopia

53, 51.564, 95.159

Deuteranopia

53, 59.339, 84.222



Tritanopia
53, 85.350, 34.213

Trichromacy



Original Color
53, 94.985, 43.345

Protanomaly
50, 60.291, 63.222

Deuteranomaly
51, 67.859, 61.185

Tritanomaly
53, 89.657, 38.736

Monochromacy



Original Color
53, 94.985, 43.345

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 35.882, 40.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 94.985, 43.345 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(241, 51, 1)` looks like.

```
.text, #text, p{  
    color:rgb(241, 51, 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(241, 51, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 51, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 94.985, 43.345 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(241, 51, 1) }
```

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

```
.border{ border-color:rgb(241, 51, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 51, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 51, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 51, 1);  
box-shadow:4px 4px 4px 4px rgb(241, 51, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 94.985, 43.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 51, 1) }
```

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

```
.background{ background-color: rgb(241, 51,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor