

Converting Colors

CIELCh(53, 78.845, 45.919)

Have a look what the booklet for
CIELCh(53, 78.845, 45.919) contains.

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Color

CIELCh(53, 78.903, 45.954)

Conversions

Conversions Part 1

Format	Color
Hex	DF4D1A
RGB	223, 77, 26
RGB Percent	87%, 30%, 10%
CMY	0.1258, 0.6983, 0.8983
CMYK	0.00, 0.65, 0.88, 0.13
HSL	16°, 79%, 49%
HSV	16°, 88%, 87%
XYZ	33.2396, 21.0462, 3.2834
YIQ	114.8400, 103.3870, 15.0910

Conversions

Conversions Part 2

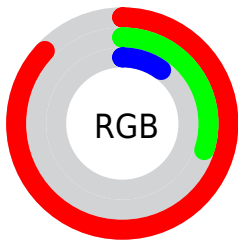
Format	Color
RYB	223, 95, 26
Decimal	14634266
CIELab	53.00, 54.86, 56.71
CIELCh	53, 78.903, 45.954
Yxy	21.0462, 0.5774, 0.3656
Android (android.graphics.Color)	4292824346 (0xFFDF4D1A)
YUV	114.8400, -43.7981, 94.8563
Hunter-Lab	45.8761, 49.0490, 27.8699

Details

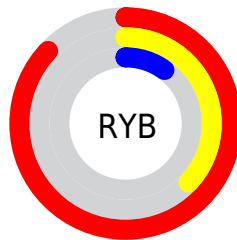
The CIELCh color **53, 78.903, 45.954** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **66, 39.902, 243.391**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 65.832, 49.508**, and **33, 72.360, 40.473** is the 20% darker color. If you saturate the color by 10%, you get **51, 86.489, 45.305**, and if you desaturate by 10%, it is **56, 69.204, 45.876**.

Distribution



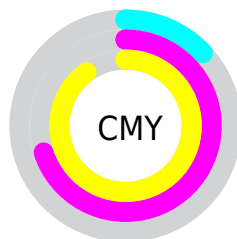
- Red (87%)
- Green (30%)
- Blue (10%)



- Red (87%)
- Yellow (37%)
- Blue (10%)



- Cyan (0%)
- Magenta (65%)
- Yellow (88%)
- Black (13%)



- Cyan (13%)
- Magenta (70%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 78.903, 45.954 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, 78.903, 45.954 by changing the saturation by 10% instead.

 53, 78.903, 45.954

 53, 78.903, 45.954

 100, 78.903,
45.954

 43, 78.903, 45.954

 73, 78.903, 45.954

 33, 78.903, 45.954

 83, 78.903, 45.954

 23, 78.903, 45.954

 93, 78.903, 45.954

 13, 78.903, 45.954

 3, 78.903, 45.954

 0, 78.903, 45.954

 53, 78.903, 45.954

 53, 78.903, 45.954

 51, 86.489, 45.305

 56, 69.204, 45.876

 50, 87.637, 45.245

 59, 58.796, 45.550

- 63, 48.502, 45.274
- 67, 38.679, 45.147
- 71, 29.472, 45.184
- 76, 20.920, 45.366
- 80, 13.007, 45.662
- 85, 5.695, 46.012
- 90, 1.073, 227.118

Harmonies

Complementary

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



53, 78.903, 45.954



66, 39.902, 243.391

Rectangle

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



53, 78.903, 45.954



53, 78.903, 95.954



53, 78.903, 225.954



53, 78.903, 275.954

Sweetspot

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



53, 78.900, 45.956



86, 22.100, 45.396



51, 85.044, 339.884



44, 15.102, 45.314



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, 78.900, 45.956



57, 97.274, 45.027



73, 72.802, 85.328



45, 3.901, 45.976



40, 73.019, 45.713



8, 21.522, 36.388

Inverse Universe

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



66, 39.902, 243.391



72, 46.520, 249.125



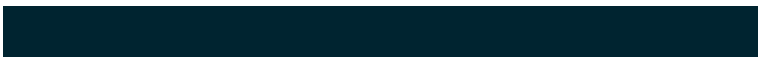
39, 88.750, 297.478



46, 3.693, 227.132



51, 34.958, 247.897



12, 13.795, 239.052

Previews

White Background



This preview shows how the CIELCh color 53, 78.903, 45.954 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, 78.903, 45.954 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, 78.903, 45.954

Background



This preview shows how black text looks on a background with the CIELCh color 53, 78.903, 45.954.



This preview shows how white text looks on a background with the CIELCh color 53, 78.903, 45.954.

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, 78.903, 45.954

Protanopia

53, 48.127, 95.587

Deuteranopia

53, 59.517, 83.789



Tritanopia
53, 66.866, 28.110

Trichromacy



Original Color
53, 78.903, 45.954

Protanomaly
52, 52.582, 69.335

Deuteranomaly
52, 63.562, 65.979

Tritanomaly
53, 70.907, 36.036

Monochromacy



Original Color
53, 78.903, 45.954

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 26.976, 44.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 78.903, 45.954 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(223, 77, 26)` looks like.

```
.text, #text, p{  
    color:rgb(223, 77, 26)  
}
```

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(223, 77, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 77, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 78.903, 45.954 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(223, 77, 26) }
```

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

```
.border{ border-color:rgb(223, 77, 26) }
```

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

Here you see how a box with a 4 pixel rgb(223, 77, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 77, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 77, 26);  
box-shadow:4px 4px 4px 4px rgb(223, 77,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 78.903, 45.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 77, 26) }
```

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

```
.background{ background-color: rgb(223, 77,  
26) }
```

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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