

Converting Colors

CIELCh(53, 40.608, 53.162)

Have a look what the booklet for
CIELCh(53, 40.608, 53.162) contains.

CIELCh(53, 40.286, 53.098)	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, 40.286, 53.098)

Conversions

Conversions Part 1

Format	Color
Hex	B36D48
RGB	179, 109, 72
RGB Percent	70%, 43%, 28%
CMY	0.2973, 0.5719, 0.7171
CMYK	0.00, 0.39, 0.60, 0.30
HSL	21°, 43%, 49%
HSV	21°, 60%, 70%
XYZ	25.2924, 21.0462, 8.8855
YIQ	125.7120, 53.5970, 3.3330

Conversions

Conversions Part 2

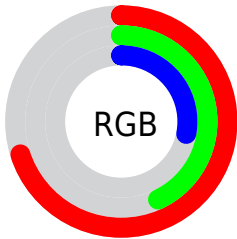
Format	Color
RYB	179, 129, 72
Decimal	11758920
CIELab	53.00, 24.19, 32.22
CIElCh	53, 40.286, 53.098
Yxy	21.0462, 0.4580, 0.3811
Android (android.graphics.Color)	4289949000 (0xFFB36D48)
YUV	125.7120, -26.4800, 46.7336
Hunter-Lab	45.8761, 18.1274, 20.6297

Details

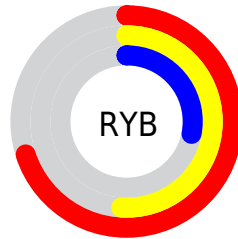
The CIELCh color **53, 40.286, 53.098** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **56, 28.216, 247.341**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 40.437, 53.207**, and **33, 40.446, 52.978** is the 20% darker color. If you saturate the color by 10%, you get **50, 48.473, 52.628**, and if you desaturate by 10%, it is **56, 32.415, 53.619**.

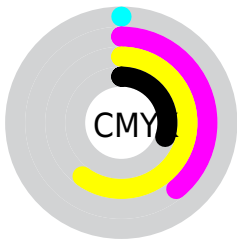
Distribution



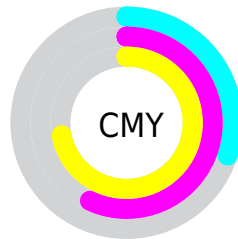
- Red (70%)
- Green (43%)
- Blue (28%)



- Red (70%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (39%)
- Yellow (60%)
- Black (30%)



- Cyan (30%)
- Magenta (57%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 40.286, 53.098 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, 40.286, 53.098 by changing the saturation by 10% instead.

53, 40.286, 53.098

53, 40.286, 53.098

100, 40.286,
53.098

43, 40.286, 53.098

73, 40.286, 53.098

33, 40.286, 53.098

83, 40.286, 53.098

23, 40.286, 53.098

93, 40.286, 53.098

13, 40.286, 53.098

3, 40.286, 53.098

0, 40.286, 53.098

53, 40.286, 53.098

53, 40.286, 53.098

50, 48.473, 52.628

56, 32.415, 53.619

47, 56.673, 52.088

59, 24.987, 54.214

45, 64.221, 51.213

63, 18.034, 54.884

43, 70.525, 49.917

66, 11.549, 55.614

43, 70.701, 49.899

70, 5.500, 56.365

73, 0.150, 240.214

77, 5.444, 238.198

80, 10.423,
239.011

84, 15.125,
239.845

Harmonies

Complementary

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



53, 40.286, 53.098



56, 28.216, 247.341

Rectangle

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



53, 40.286, 53.098



53, 40.286, 103.098



53, 40.286, 233.098



53, 40.286, 283.098

Sweetspot

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



53, 40.285, 53.102



84, 12.932, 55.722



47, 54.540, 340.772



44, 9.152, 55.505



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 40.285, 53.102



63, 62.309, 52.457



66, 48.023, 95.509



36, 3.186, 56.395



37, 62.648, 50.358



4, 7.552, 47.489

Inverse Universe

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



56, 28.216, 247.341



68, 39.862, 251.879



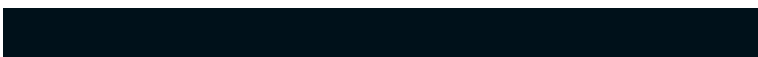
41, 53.842, 292.736



36, 3.049, 238.193



40, 35.871, 263.335



4, 7.783, 250.300

Previews

White Background



This preview shows how the CIELCh color 53, 40.286, 53.098 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, 40.286, 53.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

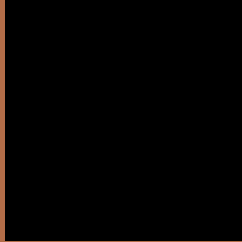
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 40.286, 53.098

Background



This preview shows how black text looks on a background with the CIELCh color 53, 40.286, 53.098.



This preview shows how white text looks on a background with the CIELCh color 53, 40.286, 53.098.

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, 40.286, 53.098

Protanopia

53, 27.843, 95.455

Deuteranopia

53, 33.499, 78.173



Tritanopia
53, 33.391, 16.057

Trichromacy



Original Color
53, 40.286, 53.098

Protanomaly
53, 29.782, 76.225

Deuteranomaly
53, 35.030, 67.891

Tritanomaly
53, 33.864, 30.988

Monochromacy



Original Color
53, 40.286, 53.098

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 13.557, 56.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 40.286, 53.098 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(179, 109, 72)` looks like.

```
.text, #text, p{  
    color:rgb(179, 109, 72)  
}
```

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(179, 109, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 109, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 40.286, 53.098 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(179, 109, 72) }
```

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

```
.border{ border-color:rgb(179, 109, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 109, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 109, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 109, 72);  
box-shadow:4px 4px 4px 4px rgb(179, 109,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 40.286, 53.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 109, 72) }
```

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

```
.background{ background-color: rgb(179,  
109, 72) }
```

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