

Converting Colors

CIELCh(53, 41.080, 72.653)

Have a look what the booklet for
CIELCh(53, 41.080, 72.653) contains.

CIELCh(53, 41.003, 72.714)	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, 41.003, 72.714)

Conversions

Conversions Part 1

Format	Color
Hex	A4753A
RGB	164, 117, 58
RGB Percent	64%, 46%, 23%
CMY	0.3553, 0.5398, 0.7712
CMYK	0.00, 0.29, 0.65, 0.36
HSL	33°, 48%, 44%
HSV	33°, 65%, 64%
XYZ	22.5642, 21.0462, 6.9201
YIQ	124.3270, 46.9510, -8.3850

Conversions

Conversions Part 2

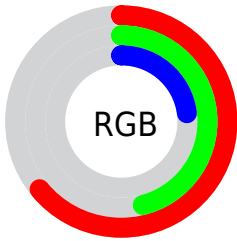
Format	Color
R_{YB}	142, 164, 58
Decimal	10777914
CIE Lab	53.00, 12.18, 39.15
CIE LCh	53, 41.003, 72.714
Yxy	21.0462, 0.4465, 0.4165
Android (android.graphics.Color)	4288967994 (0xFFA4753A)
YUV	124.3270, -32.6992, 34.7932
Hunter-Lab	45.8761, 7.5123, 23.1697

Details

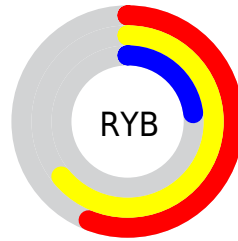
The CIELCh color **53, 41.003, 72.714** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **44, 36.708, 274.967**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 41.178, 72.721**, and **33, 40.752, 73.087** is the 20% darker color. If you saturate the color by 10%, you get **51, 47.544, 71.164**, and if you desaturate by 10%, it is **55, 34.250, 74.150**.

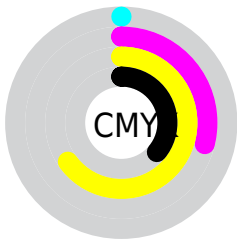
Distribution



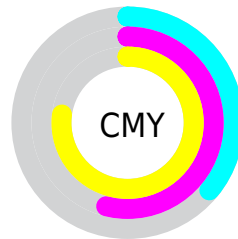
- Red (64%)
- Green (46%)
- Blue (23%)



- Red (56%)
- Yellow (64%)
- Blue (23%)



- Cyan (0%)
- Magenta (29%)
- Yellow (65%)
- Black (36%)



- Cyan (36%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 41.003, 72.714 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, 41.003, 72.714 by changing the saturation by 10% instead.

■ 53, 41.003, 72.714

■ 53, 41.003, 72.714

■ 100, 41.003,
72.714

■ 43, 41.003, 72.714

■ 73, 41.003, 72.714

■ 33, 41.003, 72.714

■ 83, 41.003, 72.714

■ 23, 41.003, 72.714

■ 93, 41.003, 72.714

■ 13, 41.003, 72.714

■ 3, 41.003, 72.714

■ 0, 41.003, 72.714

■ 53, 41.003, 72.714

■ 53, 41.003, 72.714

■ 51, 47.544, 71.164

■ 55, 34.250, 74.150

■ 49, 53.413, 69.358

■ 57, 27.535, 75.522

47, 57.908, 67.061

59, 20.978, 76.859

46, 60.119, 65.782

62, 14.629, 78.167

64, 8.502, 79.438

66, 2.594, 80.616

69, 3.110, 262.030

71, 8.627, 263.146

74, 13.975,
264.262

Harmonies

Complementary

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



53, 41.003, 72.714



44, 36.708, 274.967

Rectangle

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



53, 41.003, 72.714



53, 41.003, 122.714



53, 41.003, 252.714



53, 41.003, 302.714

Sweetspot

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



53, 41.003, 72.718



80, 13.928, 78.829



41, 48.359, 354.753



41, 9.618, 78.481



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



53, 41.003, 72.718



65, 60.834, 70.498



65, 54.746, 106.853



33, 3.261, 80.082



41, 54.865, 66.183



3, 4.805, 75.855

Inverse Universe

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



44, 36.708, 274.967



51, 54.399, 280.004



31, 66.274, 301.284



33, 3.219, 262.539



29, 52.005, 288.263



2, 5.210, 265.262

Previews

White Background



This preview shows how the CIELCh color 53, 41.003, 72.714 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 CIE LCh color 53, 41.003, 72.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

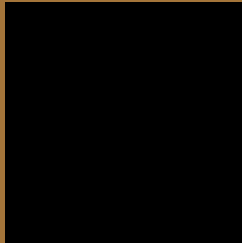
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 41.003, 72.714

Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.003, 72.714.



This preview shows how white text looks on a background with the CIELCh color 53, 41.003, 72.714.

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, 41.003, 72.714

Protanopia

53, 37.386, 96.159

Deuteranopia

53, 40.279, 80.407



Tritanopia
53, 24.652, 11.884

Trichromacy



Original Color
53, 41.003, 72.714

Protanomaly
53, 37.709, 86.650

Deuteranomaly
53, 40.806, 77.795

Tritanomaly
53, 26.120, 42.183

Monochromacy



Original Color
53, 41.003, 72.714

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 14.251, 77.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 41.003, 72.714 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(164, 117, 58)` looks like.

```
.text, #text, p{  
    color:rgb(164, 117, 58)  
}
```

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(164, 117, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 117, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 41.003, 72.714 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(164, 117, 58) }
```

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

```
.border{ border-color:rgb(164, 117, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 117, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 117, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 117, 58);  
box-shadow:4px 4px 4px 4px rgb(164, 117,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 41.003, 72.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 117, 58) }
```

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

```
.background{ background-color: rgb(164,  
117, 58) }
```

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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