

Converting Colors

CIELCh(53, 46.268, 103.046)

Have a look what the booklet for
CIELCh(53, 46.268, 103.046)
contains.

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Color

CIELCh(53, 46.267, 103.197)

Conversions

Conversions Part 1

Format	Color
Hex	84822C
RGB	132, 130, 44
RGB Percent	52%, 51%, 17%
CMY	0.4824, 0.4903, 0.8275
CMYK	0.00, 0.02, 0.67, 0.48
HSL	59°, 50%, 35%
HSV	59°, 67%, 52%
XYZ	17.9472, 21.0462, 5.4975
YIQ	120.7940, 28.7980, -26.3220

Conversions

Conversions Part 2

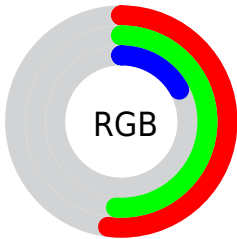
Format	Color
R_{YB}	46, 132, 44
Decimal	8684076
CIE _{Lab}	53.00, -10.56, 45.05
CIE _{LCh}	53, 46.267, 103.197
Yxy	21.0462, 0.4034, 0.4730
Android (android.graphics.Color)	4286874156 (0xFF84822C)
YUV	120.7940, -37.8594, 9.8277
Hunter-Lab	45.8761, -10.4520, 25.0084

Details

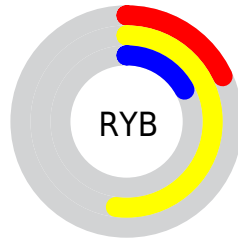
The CIELCh color **53, 46.267, 103.197** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **24, 56.056, 299.830**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 46.615, 103.489**, and **33, 42.171, 104.255** is the 20% darker color. If you saturate the color by 10%, you get **53, 51.352, 102.516**, and if you desaturate by 10%, it is **53, 40.288, 103.992**.

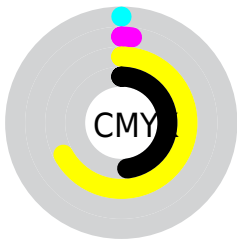
Distribution



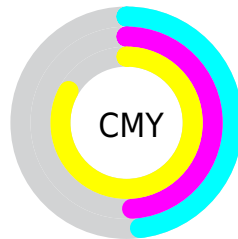
- Red (52%)
- Green (51%)
- Blue (17%)



- Red (18%)
- Yellow (52%)
- Blue (17%)



- Cyan (0%)
- Magenta (2%)
- Yellow (67%)
- Black (48%)





- Cyan (48%)
- Magenta (49%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 46.267, 103.197 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, 46.267, 103.197 by changing the saturation by 10% instead.


 53, 46.267,
103.197


 53, 46.267,
103.197


 100, 46.267,
103.197


 43, 46.267,
103.197


 73, 46.267,
103.197

 33, 46.267,
103.197

 83, 46.267,
103.197

 23, 46.267,
103.197

 93, 46.267,
103.197

 13, 46.267,
103.197

 3, 46.267, 103.197

 0, 46.267, 103.197

■ 53, 46.267,
103.197

■ 53, 46.267,
103.197

■ 53, 51.352,
102.516

■ 53, 40.288,
103.992

■ 53, 55.197,
101.974

■ 53, 33.715,
104.862

■ 53, 57.692,
101.577

■ 54, 26.767,
105.782

■ 53, 58.470,
101.452

■ 54, 19.593,
106.729

■ 54, 12.292,
107.683

■ 55, 4.925, 108.627

■ 55, 2.467, 289.595

■ 56, 9.857, 290.488

■ 56, 17.227,
291.365

Harmonies

Complementary

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



53, 46.267, 103.197



24, 56.056, 299.830

Rectangle

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



53, 46.267, 103.197



53, 46.267, 153.197



53, 46.267, 283.197



53, 46.267, 333.197

Sweetspot

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



53, 46.267, 103.199



69, 18.187, 107.323



32, 42.361, 26.422



36, 12.495, 107.093



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 46.267, 103.199



67, 64.612, 102.220



51, 50.818, 125.153



28, 4.178, 108.398



52, 57.852, 101.454



1, 1.005, 109.262

Inverse Universe

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



24, 56.056, 299.830



26, 83.728, 303.091



28, 56.555, 311.319



25, 4.262, 290.186



14, 79.980, 305.872



0, 1.005, 289.264

Previews

White Background



This preview shows how the CIELCh color 53, 46.267, 103.197 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, 46.267, 103.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

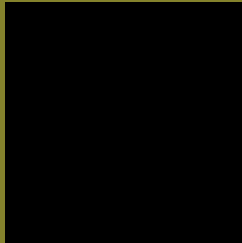
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 46.267, 103.197

Background



This preview shows how black text looks on a background with the CIELCh color 53, 46.267, 103.197.



This preview shows how white text looks on a background with the CIELCh color 53, 46.267, 103.197.

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, 46.267, 103.197

Protanopia

53, 46.041, 95.494

Deuteranopia

53, 44.887, 80.913



Tritanopia
53, 8.889, 344.672

Trichromacy



Original Color
53, 46.267, 103.197

Protanomaly
53, 46.114, 98.473

Deuteranomaly
53, 44.601, 89.152

Tritanomaly
53, 15.864, 89.095

Monochromacy



Original Color
53, 46.267, 103.197

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 17.848, 106.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 46.267, 103.197 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(132, 130, 44)` looks like.

```
.text, #text, p{  
    color:rgb(132, 130, 44)  
}
```

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(132, 130, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 130, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 46.267, 103.197 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(132, 130, 44) }
```

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

```
.border{ border-color:rgb(132, 130, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 130, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 130, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 130, 44);  
box-shadow:4px 4px 4px 4px rgb(132, 130,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 46.267, 103.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 130, 44) }
```

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

```
.background{ background-color: rgb(132,  
130, 44) }
```

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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