

Converting Colors

CIELCh(43, 37.790, 104.320)

Have a look what the booklet for
CIELCh(43, 37.790, 104.320)
contains.

CIELCh(43, 37.826, 104.627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(43, 37.826, 104.627)

Conversions

Conversions Part 1

Format	Color
Hex	696926
RGB	105, 105, 38
RGB Percent	41%, 41%, 15%
CMY	0.5896, 0.5895, 0.8522
CMYK	0.00, 0.00, 0.64, 0.59
HSL	60°, 47%, 28%
HSV	60°, 64%, 41%
XYZ	11.1491, 13.1578, 3.7592
YIQ	97.3620, 21.5070, -20.8370

Conversions

Conversions Part 2

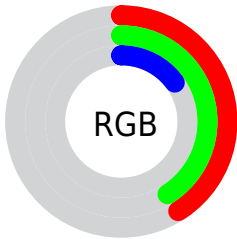
Format	Color
RYB	38, 105, 38
Decimal	6908198
CIELab	43.00, -9.55, 36.60
CIElCh	43, 37.826, 104.627
Yxy	13.1578, 0.3972, 0.4688
Android (android.graphics.Color)	4285098278 (0xFF696926)
YUV	97.3620, -29.2655, 6.6985
Hunter-Lab	36.2736, -8.6148, 19.2471

Details

The CIELCh color **43, 37.826, 104.627** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **19, 45.290, 299.661**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 37.981, 104.659**, and **23, 32.878, 105.121** is the 20% darker color. If you saturate the color by 10%, you get **43, 42.433, 103.970**, and if you desaturate by 10%, it is **43, 32.589, 105.392**.

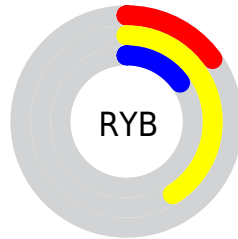
Distribution



Red (41%)

Green (41%)

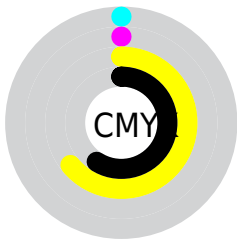
Blue (15%)



Red (15%)

Yellow (41%)

Blue (15%)

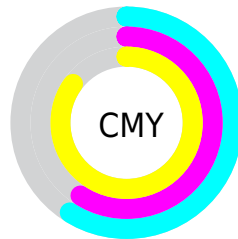


Cyan (0%)

Magenta (0%)

Yellow (64%)

Black (59%)



Cyan (59%)


Magenta (59%)

Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 37.826, 104.627 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 43, 37.826, 104.627 by changing the saturation by 10% instead.


 43, 37.826,
104.627


 43, 37.826,
104.627


 100, 37.826,
104.627


 33, 37.826,
104.627

 63, 37.826,
104.627


 23, 37.826,
104.627

 73, 37.826,
104.627

 13, 37.826,
104.627

 83, 37.826,
104.627

 3, 37.826, 104.627

 93, 37.826,
104.627

 0, 37.826, 104.627

 43, 37.826,

 43, 37.826,

104.627

104.627

■ 43, 42.433,
103.970

■ 43, 32.589,
105.392

■ 43, 46.149,
103.448

■ 43, 26.930,
106.226

■ 43, 48.823,
103.079

■ 43, 21.004,
107.106

■ 43, 50.363,
102.869

■ 44, 14.914,
108.010

■ 44, 8.729, 108.920

■ 44, 2.494, 109.815

■ 44, 3.761, 290.733

■ 45, 10.015,
291.594

■ 45, 16.254,

Harmonies

Complementary

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



43, 37.826, 104.627



19, 45.290, 299.661

Rectangle

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



43, 37.826, 104.627



43, 37.826, 154.627



43, 37.826, 284.627



43, 37.826, 334.627

Sweetspot

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



43, 37.826, 104.629



56, 14.590, 108.417



25, 33.886, 27.551



29, 10.112, 108.222



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



43, 37.826, 104.629



55, 53.376, 103.684



40, 41.096, 126.429



22, 3.573, 109.373



48, 54.603, 102.869



94, 93.960, 102.870

Inverse Universe

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



19, 45.290, 299.661



20, 68.063, 302.777



23, 45.003, 312.094



20, 3.646, 291.058



11, 75.395, 306.289



31, 129.740, 306.288

Previews

White Background



This preview shows how the CIELCh color 43, 37.826, 104.627 looks on a white 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

Black Background



This preview shows how the CIELCh color 43, 37.826, 104.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

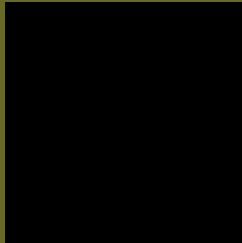
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 37.826, 104.627

Background



This preview shows how black text looks on a background with the CIELCh color 43, 37.826, 104.627.



This preview shows how white text looks on a background with the CIELCh color 43, 37.826, 104.627.

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

43, 37.826, 104.627

Protanopia

43, 37.375, 96.359

Deuteranopia

43, 36.427, 81.873



Tritanopia
43, 7.234, 338.718

Trichromacy



Original Color
43, 37.826, 104.627

Protanomaly
43, 37.565, 99.401

Deuteranomaly
43, 36.268, 90.735

Tritanomaly
43, 12.088, 88.985

Monochromacy



Original Color
43, 37.826, 104.627

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.956, 107.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 37.826, 104.627 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(105, 105, 38)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 38)  
}
```

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(105, 105, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 37.826, 104.627 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(105, 105, 38) }
```

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

```
.border{ border-color:rgb(105, 105, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 105, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 38);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 37.826, 104.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 38) }
```

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

```
.background{ background-color: rgb(105,  
105, 38) }
```

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