

Converting Colors

CIELCh(43, 13.223, 107.483)

Have a look what the booklet for
CIELCh(43, 13.223, 107.483)
contains.

CIELCh(43, 13.113, 108.241)	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, 13.113, 108.241)

Conversions

Conversions Part 1

Format	Color
Hex	676751
RGB	103, 103, 81
RGB Percent	40%, 40%, 32%
CMY	0.5964, 0.5964, 0.6826
CMYK	0.00, 0.00, 0.21, 0.60
HSL	60°, 12%, 36%
HSV	60°, 21%, 40%
XYZ	11.9102, 13.1578, 9.6825
YIQ	100.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

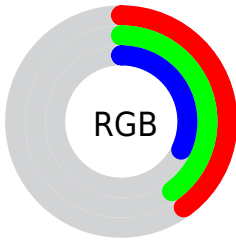
Format	Color
RYB	81, 103, 81
Decimal	6776657
CIELab	43.00, -4.10, 12.45
CIELCh	43, 13.113, 108.241
Yxy	13.1578, 0.3427, 0.3786
Android (android.graphics.Color)	4284966737 (0xFF676751)
YUV	100.4920, -9.6096, 2.1995
Hunter-Lab	36.2736, -4.8694, 9.5653

Details

The CIELCh color **43, 13.113, 108.241** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 13.736, 292.447**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 13.330, 108.708**, and **23, 13.133, 107.237** is the 20% darker color. If you saturate the color by 10%, you get **43, 19.151, 107.340**, and if you desaturate by 10%, it is **43, 6.997, 109.153**.

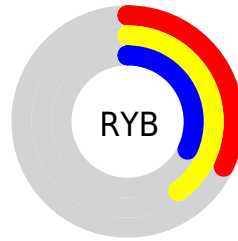
Distribution



Red (40%)

Green (40%)

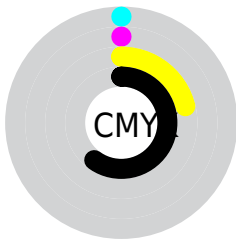
Blue (32%)



Red (32%)

Yellow (40%)

Blue (32%)

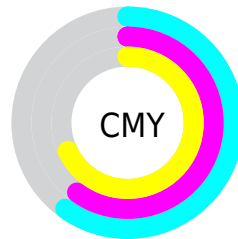


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (60%)



Cyan (60%)


Magenta (60%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 13.113, 108.241 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, 13.113, 108.241 by changing the saturation by 10% instead.


 43, 13.113,
108.241


 43, 13.113,
108.241


 100, 13.113,
108.241


 33, 13.113,
108.241

 63, 13.113,
108.241


 23, 13.113,
108.241

 73, 13.113,
108.241

 13, 13.113,
108.241

 83, 13.113,
108.241

 3, 13.113, 108.241

 93, 13.113,
108.241

 0, 13.113, 108.241

 43, 13.113,

 43, 13.113,

108.241

108.241

■ 43, 19.151,
107.340

■ 43, 6.997, 109.153

■ 43, 25.047,
106.454

■ 44, 0.841, 110.014

■ 44, 5.329, 290.952

■ 42, 30.712,
105.606

■ 44, 11.494,
291.807

■ 42, 36.009,
104.823

■ 45, 17.641,
292.634

■ 42, 40.748,
104.132

■ 45, 23.761,
293.428

■ 42, 44.683,
103.570

■ 45, 29.845,
294.184

■ 42, 47.569,
103.164

■ 46, 35.888,
294.902

■ 42, 49.767,
102.860

■ 46, 41.884,

Harmonies

Complementary

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



43, 13.113, 108.241



35, 13.736, 292.447

Rectangle

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



43, 13.113, 108.241



43, 13.113, 158.241



43, 13.113, 288.241



43, 13.113, 338.241

Sweetspot

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



43, 13.114, 108.246



55, 4.547, 109.620



37, 9.812, 20.837



28, 2.992, 109.585



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



43, 13.114, 108.246



55, 19.596, 107.761



42, 14.033, 128.159



21, 3.429, 109.375



47, 53.753, 102.860



93, 93.218, 102.860

Inverse Universe

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



35, 13.736, 292.447



43, 20.792, 293.138



36, 14.423, 310.004



19, 3.498, 291.042



11, 74.222, 306.288



30, 128.717, 306.287

Previews

White Background



This preview shows how the CIELCh color 43, 13.113, 108.241 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, 13.113, 108.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

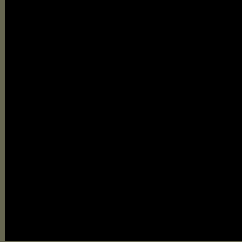
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

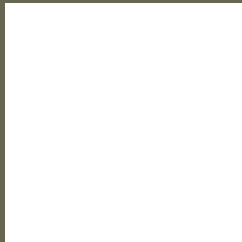
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 13.113, 108.241

Background



This preview shows how black text looks on a background with the CIELCh color 43, 13.113, 108.241.



This preview shows how white text looks on a background with the CIELCh color 43, 13.113, 108.241.

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, 13.113, 108.241

Protanopia

43, 12.947, 94.271

Deuteranopia

43, 13.275, 65.872



Tritanopia
43, 5.634, 321.311

Trichromacy



Original Color
43, 13.113, 108.241

Protanomaly
43, 13.250, 100.473

Deuteranomaly
43, 12.294, 80.231

Tritanomaly
43, 2.414, 49.286

Monochromacy



Original Color
43, 13.113, 108.241

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 4.800, 109.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 13.113, 108.241 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(103, 103, 81)` looks like.

```
.text, #text, p{  
    color:rgb(103, 103, 81)  
}
```

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(103, 103, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 103, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 13.113, 108.241 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(103, 103, 81) }
```

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

```
.border{ border-color:rgb(103, 103, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 103, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 103, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 103, 81);  
box-shadow:4px 4px 4px 4px rgb(103, 103,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 13.113, 108.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 103, 81) }
```

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

```
.background{ background-color: rgb(103,  
103, 81) }
```

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