

Converting Colors

CIELCh(44, 3.752, 112.977)

Have a look what the booklet for
CIELCh(44, 3.752, 112.977) contains.

CIELCh(44, 4.197, 115.312)	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(44, 4.197, 115.312)

Conversions

Conversions Part 1

Format	Color
Hex	686962
RGB	104, 105, 98
RGB Percent	41%, 41%, 38%
CMY	0.5934, 0.5895, 0.6169
CMYK	0.01, 0.00, 0.07, 0.59
HSL	69°, 3%, 40%
HSV	69°, 7%, 41%
XYZ	12.8809, 13.8382, 13.4697
YIQ	103.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

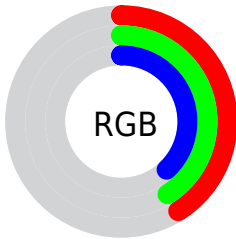
Format	Color
RYB	98, 105, 99
Decimal	6842722
CIELab	44.00, -1.79, 3.79
CIElCh	44, 4.197, 115.312
Yxy	13.8382, 0.3205, 0.3443
Android (android.graphics.Color)	4285032802 (0xFF686962)
YUV	103.9030, -2.9102, 0.0851
Hunter-Lab	37.1997, -3.2915, 4.5715

Details

The CIELCh color **44, 4.197, 115.312** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 4.264, 296.279**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 3.907, 115.453**, and **24, 3.986, 116.070** is the 20% darker color. If you saturate the color by 10%, you get **44, 10.465, 114.611**, and if you desaturate by 10%, it is **44, 2.093, 296.023**.

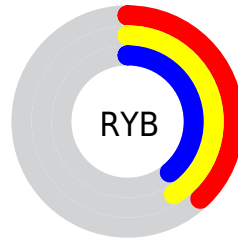
Distribution



Red (41%)

Green (41%)

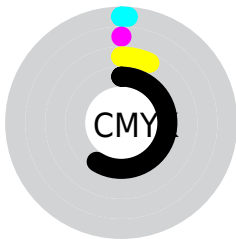
Blue (38%)



Red (38%)

Yellow (41%)

Blue (39%)

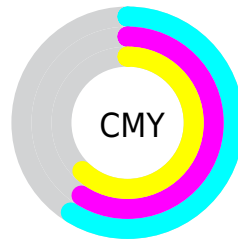


Cyan (1%)

Magenta (0%)

Yellow (7%)

Black (59%)



Cyan (59%)

Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 4.197, 115.312 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 44, 4.197, 115.312 by changing the saturation by 10% instead.

■ 44, 4.197, 115.312

■ 44, 4.197, 115.312

■ 100, 4.197,
115.312

■ 34, 4.197, 115.312

■ 64, 4.197, 115.312

■ 24, 4.197, 115.312

■ 74, 4.197, 115.312

■ 14, 4.197, 115.312

■ 84, 4.197, 115.312

■ 4, 4.197, 115.312

■ 94, 4.197, 115.312

■ 0, 4.197, 115.312

■ 44, 4.197, 115.312

■ 44, 4.197, 115.312

■ 44, 10.465,
114.611

■ 44, 2.093, 296.023

■ 43, 16.673,

■ 45, 8.384, 296.692

113.894

45, 14.656,
297.335

43, 22.771,
113.188

46, 20.897,
297.946

43, 28.684,
112.514

46, 27.097,
298.524

42, 34.297,
111.905

47, 33.247,
299.068

42, 39.450,
111.403

48, 39.341,
299.578

42, 43.921,
111.066

48, 45.375,
300.056

42, 47.449,
110.957

49, 51.345,
300.501

42, 50.102,
111.055

Harmonies

Complementary

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



44, 4.197, 115.312



42, 4.264, 296.279

Rectangle

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



44, 4.197, 115.312



44, 4.197, 165.312



44, 4.197, 295.312



44, 4.197, 345.312

Sweetspot

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



44, 4.198, 115.322



56, 1.545, 115.644



42, 2.611, 31.989



29, 0.885, 115.655



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



44, 4.198, 115.322



56, 6.197, 115.214



44, 4.590, 133.347



22, 3.596, 115.160



46, 55.314, 111.174



91, 95.323, 111.643

Inverse Universe

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



42, 4.264, 296.279



53, 6.311, 296.397



42, 4.627, 313.823



20, 3.667, 296.457



12, 74.469, 307.072



32, 128.765, 306.757

Previews

White Background



This preview shows how the CIELCh color 44, 4.197, 115.312 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 CIE LCh color 44, 4.197, 115.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

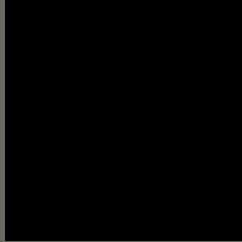
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

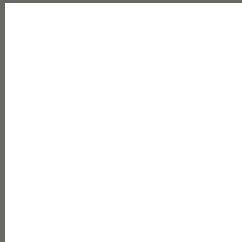
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 4.197, 115.312

Background



This preview shows how black text looks on a background with the CIELCh color 44, 4.197, 115.312.



This preview shows how white text looks on a background with the CIELCh color 44, 4.197, 115.312.

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

44, 4.197, 115.312

Protanopia

44, 4.356, 92.597

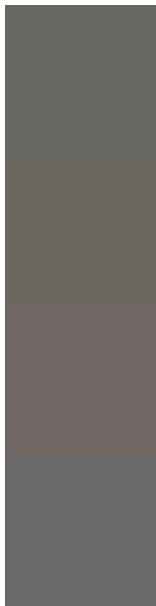
Deuteranopia

44, 6.850, 25.195



Tritanopia
44, 4.965, 304.930

Trichromacy



Original Color

44, 4.197, 115.312

Protanomaly

44, 4.255, 98.093

Deuteranomaly

44, 4.601, 42.667

Tritanomaly

44, 1.275, 309.087

Monochromacy



Original Color

44, 4.197, 115.312

Achromatopsia

44, 0.006, 296.813

Achromatomaly

44, 1.190, 109.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 4.197, 115.312 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(104, 105, 98)` looks like.

```
.text, #text, p{  
    color:rgb(104, 105, 98)  
}
```

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(104, 105, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 105, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 4.197, 115.312 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(104, 105, 98) }
```

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

```
.border{ border-color:rgb(104, 105, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 105, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 105, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 105, 98);  
box-shadow:4px 4px 4px 4px rgb(104, 105,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 4.197, 115.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 105, 98) }
```

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

```
.background{ background-color: rgb(104,  
105, 98) }
```

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