

Converting Colors

CIELCh(43, 13.417, 233.989)

Have a look what the booklet for
CIELCh(43, 13.417, 233.989)
contains.

CIELCh(43, 13.301, 234.662)	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(43, 13.301, 234.662)

Conversions

Conversions Part 1

Format	Color
Hex	4B6A77
RGB	75, 106, 119
RGB Percent	29%, 42%, 47%
CMY	0.7056, 0.5840, 0.5330
CMYK	0.37, 0.11, 0.00, 0.53
HSL	198°, 23%, 38%
HSV	198°, 37%, 47%
XYZ	11.4051, 13.1578, 19.4174
YIQ	98.2130, -22.6490, -2.5290

Conversions

Conversions Part 2

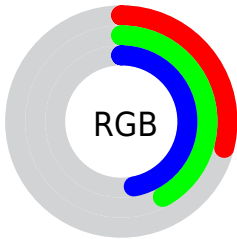
Format	Color
R_{YB}	75, 93, 119
Decimal	4942455
CIE Lab	43.00, -7.69, -10.85
CIE LCh	43, 13.301, 234.662
Yxy	13.1578, 0.2593, 0.2992
Android (android.graphics.Color)	4283132535 (0xFF4B6A77)
YUV	98.2130, 10.2480, -20.3578
Hunter-Lab	36.2736, -7.3553, -6.3465

Details

The CIELCh color **43, 13.301, 234.662** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 16.570, 49.059**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 13.381, 234.669**, and **23, 13.377, 235.008** is the 20% darker color. If you saturate the color by 10%, you get **41, 16.337, 236.298**, and if you desaturate by 10%, it is **45, 9.987, 233.358**.

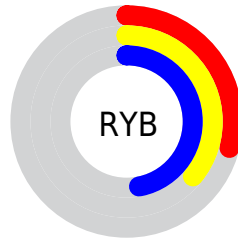
Distribution



Red (29%)

Green (42%)

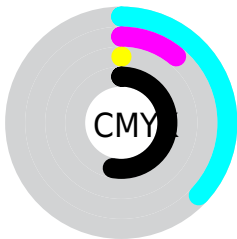
Blue (47%)



Red (29%)

Yellow (36%)

Blue (47%)

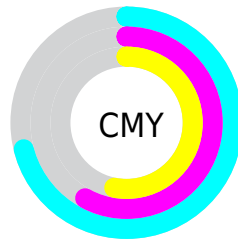


Cyan (37%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (71%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 13.301, 234.662 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, 13.301, 234.662 by changing the saturation by 10% instead.

■ 43, 13.301,
234.662

■ 43, 13.301,
234.662

■ 100, 13.301,
234.662

■ 33, 13.301,
234.662

■ 63, 13.301,
234.662

■ 23, 13.301,
234.662

■ 73, 13.301,
234.662

■ 13, 13.301,
234.662

■ 83, 13.301,
234.662

■ 3, 13.301, 234.662

■ 93, 13.301,
234.662

■ 0, 13.301, 234.662

■ 43, 13.301,

■ 43, 13.301,

234.662

234.662

■ 41, 16.337,
236.298

■ 45, 9.987, 233.358

■ 40, 19.058,
238.347

■ 47, 6.437, 232.338

■ 49, 2.696, 231.589

■ 38, 21.440,
240.887

■ 51, 1.200, 50.519

■ 36, 23.479,
243.993

■ 53, 5.213, 50.226

■ 55, 9.316, 49.848

■ 35, 25.208,
247.720

■ 57, 13.484, 49.538

■ 34, 26.747,
251.920

■ 59, 17.695, 49.291

■ 61, 21.933, 49.095

■ 33, 27.237,
253.147

Harmonies

Complementary

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



43, 13.301, 234.662



40, 16.570, 49.059

Rectangle

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



43, 13.301, 234.662



43, 13.301, 284.662



43, 13.301, 54.662



43, 13.301, 104.662

Sweetspot

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



43, 13.301, 234.659



61, 5.263, 231.873



46, 25.819, 150.682



32, 3.556, 231.954



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



43, 13.301, 234.659



54, 19.180, 235.968



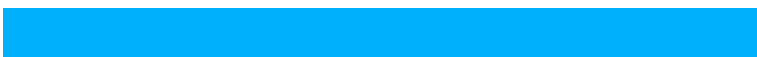
36, 21.493, 284.656



24, 2.147, 231.715



34, 27.811, 253.304



68, 48.299, 256.301

Inverse Universe

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



38, 25.859, 336.685



46, 38.036, 337.347



46, 20.697, 95.178



23, 3.868, 334.650



26, 54.136, 343.807



56, 90.850, 344.958

Previews

White Background



This preview shows how the CIE LCh color 43, 13.301, 234.662 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, 13.301, 234.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

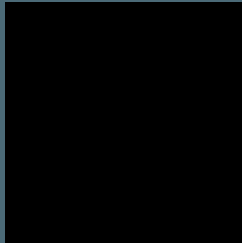
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

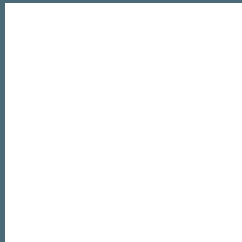
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 13.301, 234.662

Background



This preview shows how black text looks on a background with the CIELCh color 43, 13.301, 234.662.



This preview shows how white text looks on a background with the CIELCh color 43, 13.301, 234.662.

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, 13.301, 234.662

Protanopia

43, 9.044, 289.025

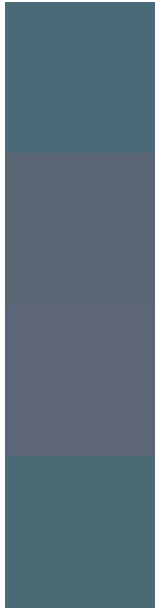
Deuteranopia

43, 13.338, 297.013



Tritanopia
43, 12.738, 220.515

Trichromacy



Original Color
43, 13.301, 234.662

Protanomaly
43, 9.461, 262.623

Deuteranomaly
43, 11.356, 272.447

Tritanomaly
43, 12.903, 223.170

Monochromacy



Original Color
43, 13.301, 234.662

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.233, 234.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 13.301, 234.662 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(75, 106, 119)` looks like.

```
.text, #text, p{  
    color:rgb(75, 106, 119)  
}
```

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(75, 106, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 106, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 13.301, 234.662 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(75, 106, 119) }
```

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

```
.border{ border-color:rgb(75, 106, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 106, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 106, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 106, 119);  
box-shadow:4px 4px 4px 4px rgb(75, 106,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 13.301, 234.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 106, 119) }
```

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

```
.background{ background-color: rgb(75, 106,  
119) }
```

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