

# Converting Colors

CIELCh(44, 13.989, 304.075)

Have a look what the booklet for  
CIELCh(44, 13.989, 304.075)  
contains.

<b>CIELCh(44, 13.523, 303.517)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(44, 13.523, 303.517)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C657B
RGB	108, 101, 123
RGB Percent	42%, 40%, 48%
CMY	0.5777, 0.6051, 0.5189
CMYK	0.12, 0.18, 0.00, 0.52
HSL	259°, 10%, 44%
HSV	259°, 18%, 48%
XYZ	14.3253, 13.8382, 20.5503
YIQ	105.6010, -2.8900, 8.3260

# Conversions

## Conversions Part 2

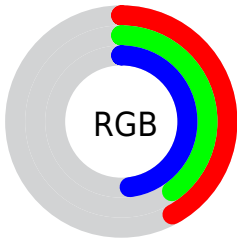
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 101, 123
Decimal	7103867
CIE Lab	44.00, 7.47, -11.27
CIE LCh	44, 13.523, 303.517
Yxy	13.8382, 0.2941, 0.2841
Android (android.graphics.Color)	4285293947 (0xFF6C657B)
YUV	105.6010, 8.5777, 2.1039
Hunter-Lab	37.1997, 3.6393, -6.7138

# Details

The CIELCh color **44, 13.523, 303.517** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **50, 13.094, 121.523**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 13.217, 304.309**, and **24, 13.569, 303.389** is the 20% darker color. If you saturate the color by 10%, you get **40, 21.414, 304.199**, and if you desaturate by 10%, it is **48, 5.880, 302.904**.

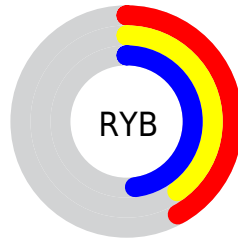
# Distribution



Red (42%)

Green (40%)

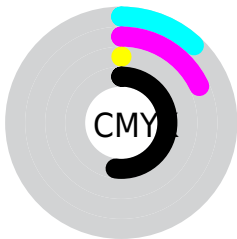
Blue (48%)



Red (42%)

Yellow (40%)

Blue (48%)

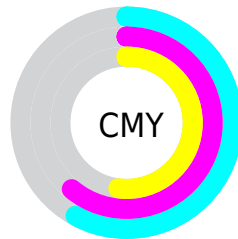


Cyan (12%)

Magenta (18%)

Yellow (0%)

Black (52%)



Cyan (58%)

Magenta (61%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 13.523, 303.517 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, 13.523, 303.517 by changing the saturation by 10% instead.





 44, 13.523,  
303.517


 44, 13.523,  
303.517


 100, 13.523,  
303.517


 34, 13.523,  
303.517

 64, 13.523,  
303.517


 24, 13.523,  
303.517

 74, 13.523,  
303.517

 14, 13.523,  
303.517


 84, 13.523,  
303.517

 4, 13.523, 303.517

 94, 13.523,  
303.517

 0, 13.523, 303.517

 44, 13.523,

 44, 13.523,

303.517

40, 21.414,  
304.199

36, 29.539,  
304.952

32, 37.844,  
305.765

28, 46.213,  
306.607

24, 54.425,  
307.425

20, 62.089,  
308.127

18, 68.606,  
308.577

15, 73.840,  
308.809

303.517

48, 5.880, 302.904

52, 1.508, 122.399

57, 8.649, 121.908

61, 15.555,  
121.495

65, 22.238,  
121.138

69, 28.710,  
120.830

73, 34.983,  
120.563

77, 41.071,  
120.333

81, 46.983,

■ 15,74.996,  
308.908

120.136

# Harmonies

# Complementary

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



44, 13.523, 303.517



50, 13.094, 121.523

# Rectangle

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



44, 13.523, 303.517



44, 13.523, 353.517



44, 13.523, 123.517



44, 13.523, 173.517

# Sweetspot

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



44, 13.522, 303.516



64, 4.608, 302.743



48, 6.964, 235.222



33, 3.171, 302.776



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



44, 13.522, 303.516



55, 20.854, 303.822



45, 14.975, 320.068



24, 4.180, 302.970



15, 76.007, 308.889



36, 128.762, 308.391



# Inverse Universe

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



45, 12.648, 336.227



57, 19.396, 336.568



50, 14.861, 138.467



24, 3.944, 335.589



27, 54.157, 345.456



56, 90.249, 346.709



# Previews

## White Background



This preview shows how the CIELCh color 44, 13.523, 303.517 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 44, 13.523, 303.517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

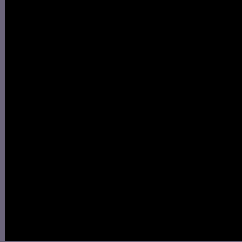
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 13.523, 303.517**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 13.523, 303.517.



This preview shows how white text looks on a background with the CIELCh color 44, 13.523, 303.517.

# 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, 13.523, 303.517

### Protanopia

44, 12.616, 286.818

### Deuteranopia

44, 12.674, 297.149





**Tritanopia**  
44, 4.965, 304.930

# Trichromacy



**Original Color**  
44, 13.523, 303.517

**Protanomaly**  
44, 13.217, 293.687

**Deuteranomaly**  
44, 12.718, 298.875

**Tritanomaly**  
44, 8.079, 305.494

# Monochromacy



**Original Color**  
44, 13.523, 303.517

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 4.965, 304.930

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 13.523, 303.517 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(108, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(108, 101, 123)  
}
```

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(108, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 101, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 13.523, 303.517 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(108, 101, 123) }
```

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

```
.border{ border-color:rgb(108, 101, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(108, 101,  
123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 13.523, 303.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 101, 123) }
```

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

```
.background{ background-color: rgb(108,  
101, 123) }
```

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