

# Converting Colors

CIELCh(44, 13.205, 178.012)

Have a look what the booklet for  
CIELCh(44, 13.205, 178.012)  
contains.

<b>CIELCh(44, 12.860, 178.799)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(44, 12.860, 178.799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4F6E67
RGB	79, 110, 103
RGB Percent	31%, 43%, 40%
CMY	0.6896, 0.5680, 0.5955
CMYK	0.28, 0.00, 0.06, 0.57
HSL	166°, 16%, 37%
HSV	166°, 28%, 43%
XYZ	11.2871, 13.8382, 14.9500
YIQ	99.9330, -16.2290, -8.7490

# Conversions

## Conversions Part 2

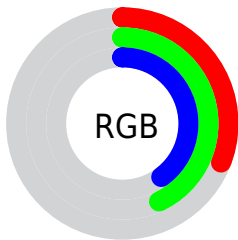
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 96, 110
Decimal	5205607
CIE <sub>Lab</sub>	44.00, -12.86, 0.27
CIE <sub>LCh</sub>	44, 12.860, 178.799
Yxy	13.8382, 0.2816, 0.3453
Android (android.graphics.Color)	4283395687 (0xFF4F6E67)
YUV	99.9330, 1.5120, -18.3582
Hunter-Lab	37.1997, -10.9395, 2.2121

# Details

The CIELCh color **44, 12.860, 178.799** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 14.229, 4.180**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 13.047, 178.227**, and **24, 12.644, 178.777** is the 20% darker color. If you saturate the color by 10%, you get **43, 17.048, 177.785**, and if you desaturate by 10%, it is **45, 8.432, 179.751**.

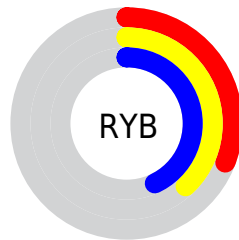
# Distribution



Red (31%)

Green (43%)

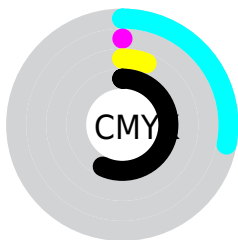
Blue (40%)



Red (31%)

Yellow (38%)

Blue (43%)

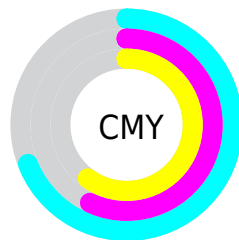


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (57%)



Cyan (69%)

Magenta (57%)

Yellow (60%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 12.860, 178.799 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, 12.860, 178.799 by changing the saturation by 10% instead.





 44, 12.860,  
178.799


 44, 12.860,  
178.799

 100, 12.860,  
178.799


 34, 12.860,  
178.799

 64, 12.860,  
178.799


 24, 12.860,  
178.799

 74, 12.860,  
178.799

 14, 12.860,  
178.799


 84, 12.860,  
178.799

 4, 12.860, 178.799

 94, 12.860,  
178.799

 0, 12.860, 178.799

 44, 12.860,

 44, 12.860,

178.799

178.799

■ 43, 17.048,  
177.785

■ 45, 8.432, 179.751

■ 43, 20.922,  
176.700

■ 46, 3.831, 180.687

■ 42, 24.414,  
175.522

■ 47, 0.883, 1.081

■ 42, 27.465,  
174.232

■ 48, 5.657, 2.201

■ 41, 30.036,  
172.808

■ 49, 10.448, 3.006

■ 41, 32.112,  
171.233

■ 50, 15.222, 3.765

■ 41, 33.849,  
169.585

■ 51, 19.954, 4.493

■ 41, 34.172,  
169.296

■ 53, 24.624, 5.196

■ 54, 29.221, 5.875



# Harmonies

# Complementary

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



44, 12.860, 178.799



37, 14.229, 4.180

# Rectangle

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



44, 12.860, 178.799



44, 12.860, 228.799



44, 12.860, 358.799



44, 12.860, 48.799

# Sweetspot

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



44, 12.861, 178.796



58, 4.655, 180.681



44, 21.058, 136.480



30, 3.281, 180.565



80, 0.010, 296.813



30, 0.005, 296.813





# Same Dimension

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



44, 12.861, 178.796



56, 18.946, 178.120



42, 9.766, 229.544



23, 2.683, 180.603



44, 36.381, 169.103



87, 63.131, 167.916



# Inverse Universe

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



37, 14.229, 4.180



45, 21.524, 5.106



39, 11.550, 46.254



22, 2.768, 2.026



24, 51.404, 25.104



52, 90.118, 28.551



# Previews

## White Background



This preview shows how the CIELCh color 44, 12.860, 178.799 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, 12.860, 178.799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

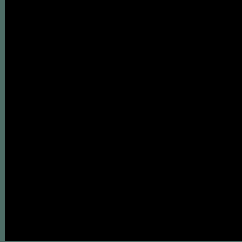
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 44, 12.860, 178.799**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 12.860, 178.799.



This preview shows how white text looks on a background with the CIELCh color 44, 12.860, 178.799.

# 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, 12.860, 178.799


### Protanopia

44, 2.912, 74.486

### Deuteranopia

44, 6.195, 351.333





**Tritanopia**  
44, 10.855, 228.444

# Trichromacy



**Original Color**  
44, 12.860, 178.799

**Protanomaly**  
44, 4.785, 160.193

**Deuteranomaly**  
44, 1.226, 199.534

**Tritanomaly**  
44, 10.646, 208.028

# Monochromacy



**Original Color**  
44, 12.860, 178.799

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
43, 5.223, 178.581

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 12.860, 178.799 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(79, 110, 103)` looks like.

```
.text, #text, p{  
    color:rgb(79, 110, 103)  
}
```

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(79, 110, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 110, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 12.860, 178.799 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(79, 110, 103) }
```

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

```
.border{ border-color:rgb(79, 110, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 110, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 110, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 110, 103);  
box-shadow:4px 4px 4px 4px rgb(79, 110,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 12.860, 178.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 110, 103) }
```

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

```
.background{ background-color: rgb(79, 110,  
103) }
```

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