

Converting Colors

CIELCh(44, 12.422, 188.708)

Have a look what the booklet for
CIELCh(44, 12.422, 188.708)
contains.

CIELCh(44, 12.386, 189.582)	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(44, 12.386, 189.582)

Conversions

Conversions Part 1

Format	Color
Hex	4E6E6B
RGB	78, 110, 107
RGB Percent	31%, 43%, 42%
CMY	0.6940, 0.5685, 0.5803
CMYK	0.29, 0.00, 0.03, 0.57
HSL	174°, 17%, 37%
HSV	174°, 29%, 43%
XYZ	11.3760, 13.8382, 15.9864
YIQ	100.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

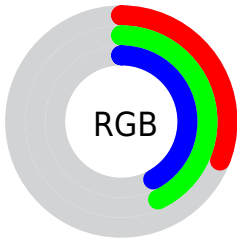
Format	Color
RYB	78, 95, 110
Decimal	5140075
CIELab	44.00, -12.21, -2.06
CIElCh	44, 12.386, 189.582
Yxy	13.8382, 0.2761, 0.3359
Android (android.graphics.Color)	4283330155 (0xFF4E6E6B)
YUV	100.0900, 3.4066, -19.3729
Hunter-Lab	37.1997, -10.5126, 0.5602

Details

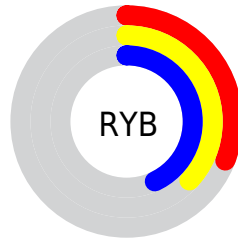
The CIELCh color $44, 12.386, 189.582$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 14.425, 14.377$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 12.623, 188.095$, and $24, 12.309, 191.067$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.119, 188.831$, and if you desaturate by 10%, it is $45, 8.343, 190.322$.

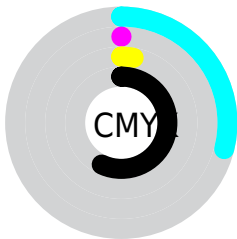
Distribution



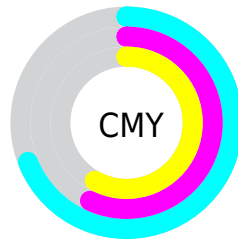
- Red (31%)
- Green (43%)
- Blue (42%)



- Red (31%)
- Yellow (37%)
- Blue (43%)



- Cyan (29%)
- Magenta (0%)
- Yellow (3%)
- Black (57%)



- Cyan (69%)
- Magenta (57%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 12.386, 189.582 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, 12.386, 189.582 by changing the saturation by 10% instead.


 44, 12.386,
189.582


 44, 12.386,
189.582


 100, 12.386,
189.582


 34, 12.386,
189.582

 64, 12.386,
189.582

 24, 12.386,
189.582

 74, 12.386,
189.582

 14, 12.386,
189.582


 84, 12.386,
189.582

 4, 12.386, 189.582

 94, 12.386,
189.582

 0, 12.386, 189.582

 44, 12.386,

 44, 12.386,

189.582

189.582

■ 43, 16.119,
188.831

■ 45, 8.343, 190.322

■ 43, 19.472,
188.070

■ 46, 4.055, 191.087

■ 42, 22.386,
187.287

■ 47, 0.416, 10.882

■ 42, 24.811,
186.468

■ 49, 9.686, 13.095

■ 42, 26.721,
185.601

■ 50, 14.400, 13.802

■ 41, 28.115,
184.670

■ 51, 19.122, 14.494

■ 41, 29.191,
183.713

■ 52, 23.828, 15.173

■ 41, 29.289,
183.629

■ 54, 28.500, 15.839

Harmonies

Complementary

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



44, 12.386, 189.582



37, 14.425, 14.377

Rectangle

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



44, 12.386, 189.582



44, 12.386, 239.582



44, 12.386, 9.582



44, 12.386, 59.582

Sweetspot

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



44, 12.386, 189.578



58, 4.972, 191.075



43, 22.672, 140.088



30, 3.424, 190.985



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, 12.386, 189.578



56, 18.069, 189.068



40, 10.413, 247.608



23, 2.550, 191.093



45, 31.160, 183.519



88, 53.521, 182.850

Inverse Universe

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



37, 14.425, 14.377



45, 21.907, 15.296



40, 11.777, 61.116



22, 2.666, 12.272



24, 55.535, 33.965



52, 98.171, 36.929

Previews

White Background



This preview shows how the CIELCh color 44, 12.386, 189.582 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, 12.386, 189.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

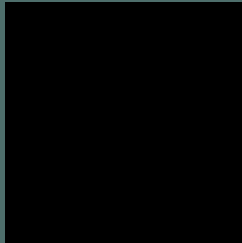
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 12.386, 189.582

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.386, 189.582.



This preview shows how white text looks on a background with the CIELCh color 44, 12.386, 189.582.

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, 12.386, 189.582

Protanopia

44, 1.244, 19.286

Deuteranopia

44, 6.333, 331.025



Tritanopia
44, 11.441, 226.713

Trichromacy



Original Color
44, 12.386, 189.582

Protanomaly
44, 4.241, 182.537

Deuteranomaly
44, 3.098, 250.199

Tritanomaly
44, 11.360, 210.453

Monochromacy



Original Color
44, 12.386, 189.582

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 4.880, 191.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.386, 189.582 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(78, 110, 107)` looks like.

```
.text, #text, p{  
    color:rgb(78, 110, 107)  
}
```

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(78, 110, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 110, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.386, 189.582 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(78, 110, 107) }
```

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

```
.border{ border-color:rgb(78, 110, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 110, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 110, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 110, 107);  
box-shadow:4px 4px 4px 4px rgb(78, 110,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.386, 189.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 110, 107) }
```

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

```
.background{ background-color: rgb(78, 110,  
107) }
```

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