

Converting Colors

CIELCh(44, 28.491, 107.928)

Have a look what the booklet for
CIELCh(44, 28.491, 107.928)
contains.

CIELCh(44, 28.491, 107.928)	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, 28.491, 107.928)

Conversions

Conversions Part 1

Format	Color
Hex	696B3A
RGB	105, 107, 58
RGB Percent	41%, 42%, 23%
CMY	0.5880, 0.5802, 0.7724
CMYK	0.02, 0.00, 0.46, 0.58
HSL	62°, 30%, 32%
HSV	62°, 46%, 42%
XYZ	11.8596, 13.8382, 6.0553
YIQ	100.8160, 14.5370, -15.6630

Conversions

Conversions Part 2

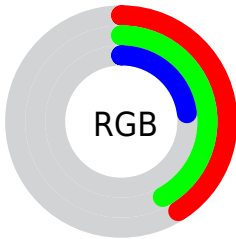
Format	Color
RYB	58, 107, 60
Decimal	6908730
CIELab	44.00, -8.77, 27.11
CIELCh	44, 28.491, 107.928
Yxy	13.8382, 0.3735, 0.4358
Android (android.graphics.Color)	4285098810 (0xFF696B3A)
YUV	100.8160, -21.1083, 3.6694
Hunter-Lab	37.1997, -8.1923, 16.3887

Details

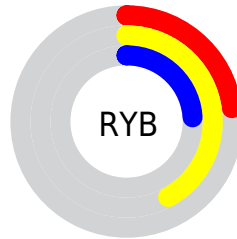
The CIELCh color $44, 28.491, 107.928$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 31.920, 297.274$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 28.494, 107.922$, and $24, 28.578, 108.352$ is the 20% darker color. If you saturate the color by 10%, you get $44, 34.190, 107.168$, and if you desaturate by 10%, it is $44, 22.495, 108.747$.

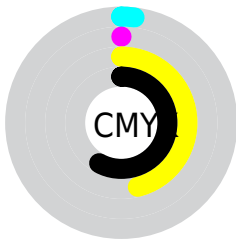
Distribution



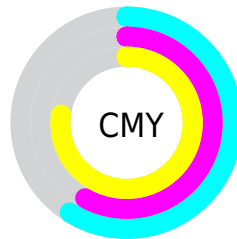
- Red (41%)
- Green (42%)
- Blue (23%)



- Red (23%)
- Yellow (42%)
- Blue (24%)



- Cyan (2%)
- Magenta (0%)
- Yellow (46%)
- Black (58%)



- Cyan (59%)
- Magenta (58%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 28.491, 107.928 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, 28.491, 107.928 by changing the saturation by 10% instead.

 44, 28.491,
107.928

 44, 28.491,
107.928


 100, 28.491,
107.928

 34, 28.491,
107.928

 64, 28.491,
107.928

 24, 28.491,
107.928

 74, 28.491,
107.928

 14, 28.491,
107.928

 84, 28.491,
107.928

 4, 28.491, 107.928

 94, 28.491,
107.928

 0, 28.491, 107.928

 44, 28.491,

 44, 28.491,

107.928

107.928

■ 44, 34.190,
107.168

■ 44, 22.495,
108.747

■ 44, 39.424,
106.491

■ 44, 16.314,
109.593

■ 44, 43.967,
105.940

■ 45, 10.023,
110.447

■ 43, 47.551,
105.557

■ 45, 3.674, 111.293

■ 43, 50.139,
105.346

■ 45, 2.700, 292.149

■ 46, 9.077, 292.953

■ 43, 51.230,
105.254

■ 46, 15.440,
293.736

■ 47, 21.776,
294.485

■ 47, 28.077,

295.200

Harmonies

Complementary

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



44, 28.491, 107.928



27, 31.920, 297.274

Rectangle

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



44, 28.491, 107.928



44, 28.491, 157.928



44, 28.491, 287.928



44, 28.491, 337.928

Sweetspot

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



44, 28.492, 107.931



58, 11.106, 110.565



31, 22.947, 26.079



30, 7.724, 110.422



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, 28.492, 107.931



57, 42.019, 107.112



42, 30.995, 128.222



22, 3.576, 111.026



47, 54.671, 105.279



93, 94.091, 105.421

Inverse Universe

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



27, 31.920, 297.274



31, 48.845, 299.124



29, 32.829, 312.299



20, 3.648, 292.593



11, 75.142, 306.494



31, 129.561, 306.372

Previews

White Background



This preview shows how the CIELCh color 44, 28.491, 107.928 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, 28.491, 107.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

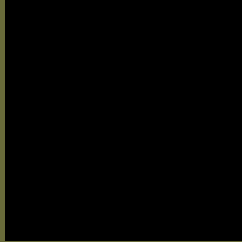
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

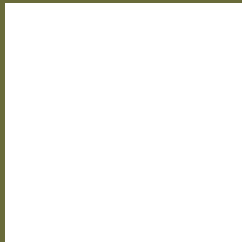
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 28.491, 107.928

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.491, 107.928.



This preview shows how white text looks on a background with the CIELCh color 44, 28.491, 107.928.

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

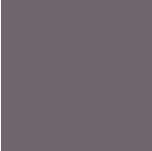
44, 28.491, 107.928

Protanopia

44, 27.930, 96.333

Deuteranopia

44, 27.045, 76.962



Tritanopia
44, 6.333, 331.025

Trichromacy



Original Color
44, 28.491, 107.928

Protanomaly
44, 28.156, 100.285

Deuteranomaly
44, 26.696, 88.750

Tritanomaly
44, 8.184, 90.437

Monochromacy



Original Color
44, 28.491, 107.928

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 10.756, 110.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 28.491, 107.928 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(105, 107, 58)` looks like.

```
.text, #text, p{  
    color:rgb(105, 107, 58)  
}
```

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(105, 107, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 107, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.491, 107.928 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(105, 107, 58) }
```

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

```
.border{ border-color:rgb(105, 107, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 107, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 107, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 107, 58);  
box-shadow:4px 4px 4px 4px rgb(105, 107,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.491, 107.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 107, 58) }
```

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

```
.background{ background-color: rgb(105,  
107, 58) }
```

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