

Converting Colors

CIELCh(28, 22.967, 110.082)

Have a look what the booklet for
CIELCh(28, 22.967, 110.082)
contains.

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Color

CIELCh(28, 23.133, 110.676)

Conversions

Conversions Part 1

Format	Color
Hex	414520
RGB	65, 69, 32
RGB Percent	25%, 27%, 13%
CMY	0.7458, 0.7301, 0.8751
CMYK	0.06, 0.00, 0.54, 0.73
HSL	66°, 37%, 20%
HSV	66°, 54%, 27%
XYZ	4.5453, 5.4574, 2.1693
YIQ	63.5860, 9.4930, -12.3550

Conversions

Conversions Part 2

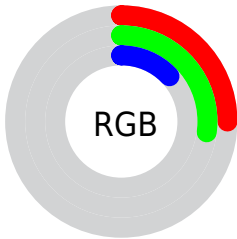
Format	Color
R_{YB}	32, 69, 36
Decimal	4277536
CIE Lab	28.00, -8.17, 21.64
CIE LCh	28, 23.133, 110.676
Yxy	5.4574, 0.3734, 0.4484
Android (android.graphics.Color)	4282467616 (0xFF414520)
YUV	63.5860, -15.5719, 1.2401
Hunter-Lab	23.3610, -6.1511, 10.8470

Details

The CIELCh color **28, 23.133, 110.676** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 26.232, 299.875**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 23.180, 110.359**, and **8, 13.996, 120.815** is the 20% darker color. If you saturate the color by 10%, you get **28, 26.980, 110.090**, and if you desaturate by 10%, it is **28, 19.049, 111.335**.

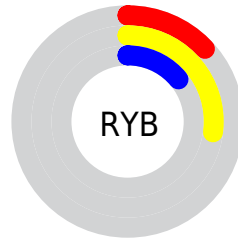
Distribution



Red (25%)

Green (27%)

Blue (13%)



Red (13%)

Yellow (27%)

Blue (14%)

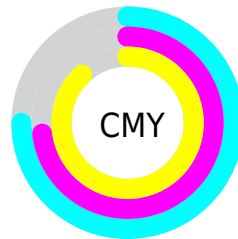


Cyan (6%)

Magenta (0%)

Yellow (54%)

Black (73%)



Cyan (75%)


Magenta (73%)

Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 23.133, 110.676 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 28, 23.133, 110.676 by changing the saturation by 10% instead.

 28, 23.133,
110.676


 28, 23.133,
110.676

 100, 23.133,
110.676


 18, 23.133,
110.676


 48, 23.133,
110.676


 8, 23.133, 110.676

 58, 23.133,
110.676

 0, 23.133, 110.676

 68, 23.133,
110.676

 78, 23.133,
110.676

 88, 23.133,
110.676

 98, 23.133,

110.676

■ 28, 23.133,
110.676

■ 28, 23.133,
110.676

■ 28, 26.980,
110.090

■ 28, 19.049,
111.335

■ 28, 30.473,
109.605

■ 28, 14.809,
112.030

■ 28, 33.462,
109.269

■ 29, 10.472,
112.744

■ 27, 36.143,
109.012

■ 29, 6.077, 113.460

■ 27, 37.885,
108.844

■ 29, 1.652, 114.164

■ 29, 2.784, 294.867

■ 30, 7.218, 295.535

■ 30, 11.640,
296.178

■ 30, 16.041,
296.793

Harmonies

Complementary

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



28, 23.133, 110.676



15, 26.232, 299.875

Rectangle

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



28, 23.133, 110.676



28, 23.133, 160.676



28, 23.133, 290.676



28, 23.133, 340.676

Sweetspot

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



28, 23.134, 110.678



37, 8.778, 113.252



18, 18.009, 31.531



19, 5.976, 113.190



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 23.134, 110.678



36, 33.412, 109.939



27, 25.604, 130.255



13, 2.386, 113.835



39, 48.057, 109.067



85, 88.734, 109.535

Inverse Universe

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



15, 26.232, 299.875



16, 39.508, 301.704



17, 26.969, 314.602



11, 2.429, 295.058



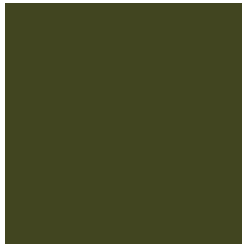
8, 65.165, 306.967



28, 120.872, 306.603

Previews

White Background



This preview shows how the CIELCh color 28, 23.133, 110.676 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 28, 23.133, 110.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

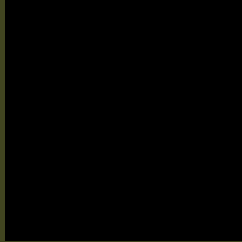
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

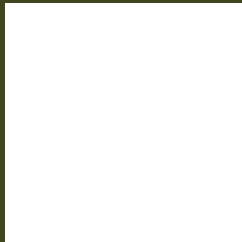
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 23.133, 110.676

Background



This preview shows how black text looks on a background with the CIELCh color 28, 23.133, 110.676.

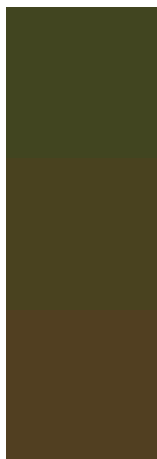


This preview shows how white text looks on a background with the CIELCh color 28, 23.133, 110.676.

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


28, 23.133, 110.676

Protanopia

28, 22.322, 96.407

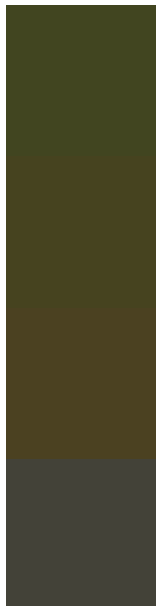
Deuteranopia

28, 21.517, 80.371



Tritanopia
28, 3.704, 319.063

Trichromacy



Original Color
28, 23.133, 110.676

Protanomaly
28, 22.594, 101.761

Deuteranomaly
28, 20.973, 91.787

Tritanomaly
28, 6.459, 104.732

Monochromacy



Original Color
28, 23.133, 110.676

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 8.408, 111.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 23.133, 110.676 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(65, 69, 32)` looks like.

```
.text, #text, p{  
    color:rgb(65, 69, 32)  
}
```

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(65, 69, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 69, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 23.133, 110.676 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(65, 69, 32) }
```

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

```
.border{ border-color:rgb(65, 69, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 69, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 69, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 69, 32);  
box-shadow:4px 4px 4px 4px rgb(65, 69, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 23.133, 110.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 69, 32) }
```

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

```
.background{ background-color: rgb(65, 69,  
32) }
```

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](#).

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