

Converting Colors

CIELCh(28, 33.144, 113.866)

Have a look what the booklet for
CIELCh(28, 33.144, 113.866)
contains.

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Color

CIELCh(28, 33.246, 113.686)

Conversions

Conversions Part 1

Format	Color
Hex	3C470F
RGB	60, 71, 15
RGB Percent	24%, 28%, 6%
CMY	0.7658, 0.7226, 0.9423
CMYK	0.16, 0.00, 0.79, 0.72
HSL	72°, 66%, 17%
HSV	72°, 79%, 28%
XYZ	4.1666, 5.4574, 1.2750
YIQ	61.3270, 11.4200, -19.7480

Conversions

Conversions Part 2

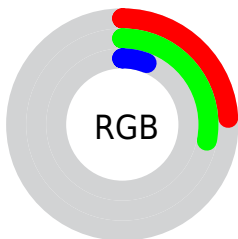
Format	Color
RYB	15, 71, 26
Decimal	3950351
CIELab	28.00, -13.36, 30.45
CIELCh	28, 33.246, 113.686
Yxy	5.4574, 0.3823, 0.5007
Android (android.graphics.Color)	4282140431 (0xFF3C470F)
YUV	61.3270, -22.8392, -1.1638
Hunter-Lab	23.3610, -9.0451, 13.1167

Details

The CIELCh color **28, 33.246, 113.686** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 40.503, 305.237**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.260, 113.650**, and **8, 17.262, 136.103** is the 20% darker color. If you saturate the color by 10%, you get **28, 36.058, 113.613**, and if you desaturate by 10%, it is **28, 29.887, 113.952**.

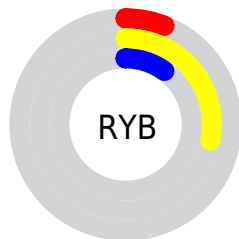
Distribution



Red (24%)

Green (28%)

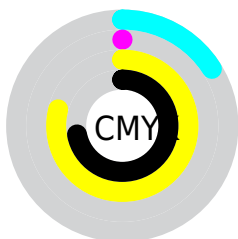
Blue (6%)



Red (6%)

Yellow (28%)

Blue (10%)

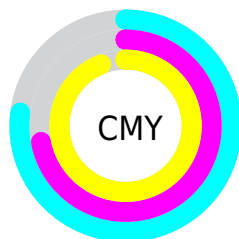


Cyan (16%)

Magenta (0%)

Yellow (79%)

Black (72%)



Cyan (77%)


Magenta (72%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 33.246, 113.686 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, 33.246, 113.686 by changing the saturation by 10% instead.

 28, 33.246,
113.686


 28, 33.246,
113.686

 100, 33.246,
113.686


 18, 33.246,
113.686


 48, 33.246,
113.686


 8, 33.246, 113.686

 58, 33.246,
113.686

 0, 33.246, 113.686

 68, 33.246,
113.686

 78, 33.246,
113.686

 88, 33.246,
113.686

 98, 33.246,

113.686

■ 28, 33.246,
113.686

■ 28, 33.246,
113.686

■ 28, 36.058,
113.613

■ 28, 29.887,
113.952

■ 28, 38.933,
113.472

■ 28, 26.087,
114.369

■ 28, 39.167,
113.461

■ 29, 21.984,
114.886

■ 29, 17.681,
115.463

■ 29, 13.252,
116.072

■ 29, 8.745, 116.691

■ 30, 4.196, 117.308

■ 30, 0.372, 297.896

■ 30, 4.940, 298.489

Harmonies

Complementary

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



28, 33.246, 113.686



9, 40.503, 305.237

Rectangle

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



28, 33.246, 113.686



28, 33.246, 163.686



28, 33.246, 293.686



28, 33.246, 343.686

Sweetspot

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



28, 33.246, 113.688



38, 13.549, 116.335



16, 27.472, 39.554



18, 9.166, 116.231



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, 33.246, 113.688



36, 45.524, 113.767



26, 37.712, 131.908



14, 2.562, 117.344



39, 49.687, 113.895



84, 91.050, 114.660

Inverse Universe

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



9, 40.503, 305.237



9, 59.022, 307.053



13, 39.583, 317.748



13, 2.607, 298.401



9, 65.693, 307.656



30, 120.895, 307.143

Previews

White Background



This preview shows how the CIELCh color 28, 33.246, 113.686 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 CIE LCh color 28, 33.246, 113.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

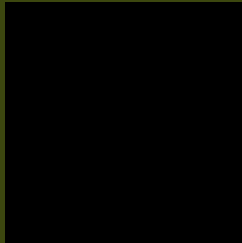
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 33.246, 113.686

Background



This preview shows how black text looks on a background with the CIELCh color 28, 33.246, 113.686.



This preview shows how white text looks on a background with the CIELCh color 28, 33.246, 113.686.

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

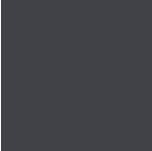
28, 33.246, 113.686

Protanopia

28, 31.203, 96.121

Deuteranopia

28, 29.381, 83.185



Tritanopia
28, 3.260, 283.217

Trichromacy



Original Color
28, 33.246, 113.686

Protanomaly
28, 31.781, 102.966

Deuteranomaly
28, 29.943, 95.050

Tritanomaly
28, 11.153, 120.292

Monochromacy



Original Color
28, 33.246, 113.686

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 13.638, 115.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 33.246, 113.686 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(60, 71, 15)` looks like.

```
.text, #text, p{  
    color:rgb(60, 71, 15)  
}
```

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(60, 71, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 71, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 33.246, 113.686 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(60, 71, 15) }
```

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

```
.border{ border-color:rgb(60, 71, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 71, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 71, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 71, 15);  
box-shadow:4px 4px 4px 4px rgb(60, 71, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 33.246, 113.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 71, 15) }
```

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

```
.background{ background-color: rgb(60, 71,  
15) }
```

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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