

Converting Colors

CIELCh(28, 32.929, 118.248)

Have a look what the booklet for
CIELCh(28, 32.929, 118.248)
contains.

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Color

CIELCh(28, 32.966, 118.287)

Conversions

Conversions Part 1

Format	Color
Hex	384812
RGB	56, 72, 18
RGB Percent	22%, 28%, 7%
CMY	0.7819, 0.7191, 0.9309
CMYK	0.22, 0.00, 0.75, 0.72
HSL	78°, 61%, 17%
HSV	78°, 75%, 28%
XYZ	4.0080, 5.4574, 1.3980
YIQ	61.0600, 7.7980, -20.1860

Conversions

Conversions Part 2

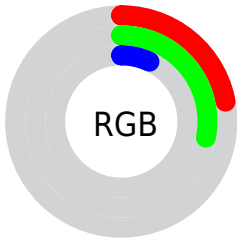
Format	Color
RYB	18, 72, 34
Decimal	3688466
CIELab	28.00, -15.62, 29.03
CIELCh	28, 32.966, 118.287
Yxy	5.4574, 0.3689, 0.5024
Android (android.graphics.Color)	4281878546 (0xFF384812)
YUV	61.0600, -21.2286, -4.4376
Hunter-Lab	23.3610, -10.2573, 12.8045

Details

The CIELCh color **28, 32.966, 118.287** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 38.758, 307.086**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 33.189, 118.426**, and **8, 19.160, 141.040** is the 20% darker color. If you saturate the color by 10%, you get **28, 36.107, 118.289**, and if you desaturate by 10%, it is **28, 29.286, 118.506**.

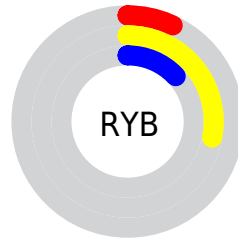
Distribution



Red (22%)

Green (28%)

Blue (7%)



Red (7%)

Yellow (28%)

Blue (13%)

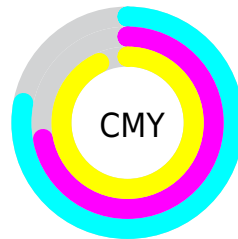


Cyan (22%)

Magenta (0%)

Yellow (75%)

Black (72%)



Cyan (78%)

Magenta (72%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 32.966, 118.287 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, 32.966, 118.287 by changing the saturation by 10% instead.

 28, 32.966,
118.287


 28, 32.966,
118.287

 100, 32.966,
118.287


 18, 32.966,
118.287


 48, 32.966,
118.287


 8, 32.966, 118.287

 58, 32.966,
118.287

 0, 32.966, 118.287

 68, 32.966,
118.287

 78, 32.966,
118.287

 88, 32.966,
118.287

 98, 32.966,

118.287

■ 28, 32.966,
118.287

■ 28, 32.966,
118.287

■ 28, 36.107,
118.289

■ 28, 29.286,
118.506

■ 28, 39.023,
118.323

■ 29, 25.224,
118.869

■ 28, 40.420,
118.298

■ 29, 20.906,
119.323

■ 29, 16.422,
119.826

■ 29, 11.835,
120.351

■ 30, 7.191, 120.880

■ 30, 2.521, 121.404

■ 31, 2.153, 301.884

■ 31, 6.814, 302.368

Harmonies

Complementary

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



28, 32.966, 118.287



11, 38.758, 307.086

Rectangle

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



28, 32.966, 118.287



28, 32.966, 168.287



28, 32.966, 298.287



28, 32.966, 348.287

Sweetspot

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



28, 32.966, 118.289



39, 13.474, 120.429



18, 25.099, 47.364



19, 9.398, 120.321



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 32.966, 118.289



37, 46.096, 118.510



26, 37.683, 134.450



14, 2.595, 121.237



38, 50.925, 118.873



83, 93.605, 119.897

Inverse Universe

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



11, 38.758, 307.086



12, 56.845, 308.166



15, 38.521, 320.807



13, 2.637, 302.114



10, 64.674, 308.833



31, 119.166, 308.162

Previews

White Background



This preview shows how the CIELCh color 28, 32.966, 118.287 looks on a white background.

Color Contrast Check

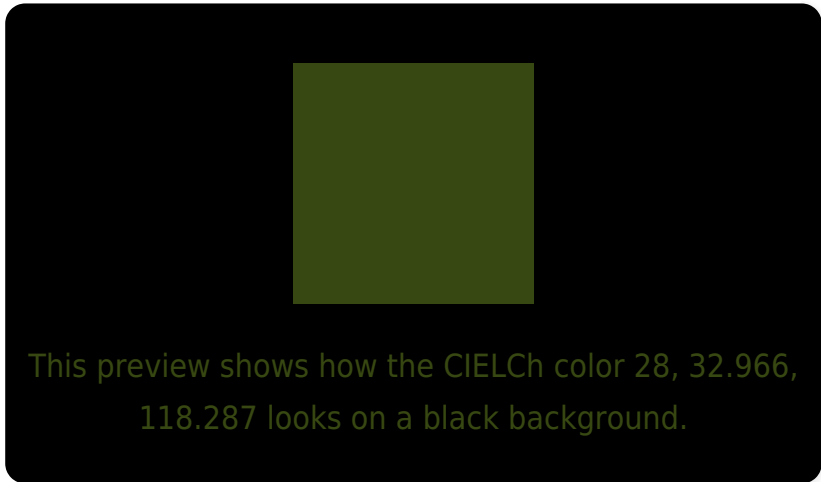
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 32.966, 118.287

Background



This preview shows how black text looks on a background with the CIELCh color 28, 32.966, 118.287.



This preview shows how white text looks on a background with the CIELCh color 28, 32.966, 118.287.

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](#).

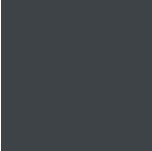
Dichromacy



Original Color
28, 32.966, 118.287

Protanopia
28, 30.312, 96.083

Deuteranopia
28, 28.403, 82.691



Tritanopia
28, 3.828, 257.117

Trichromacy



Original Color
28, 32.966, 118.287

Protanomaly
28, 30.443, 105.158

Deuteranomaly
28, 28.308, 97.024

Tritanomaly
28, 11.698, 129.109

Monochromacy



Original Color
28, 32.966, 118.287

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 13.206, 120.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 32.966, 118.287 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(56, 72, 18)` looks like.

```
.text, #text, p{  
    color:rgb(56, 72, 18)  
}
```

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(56, 72, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 72, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 32.966, 118.287 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(56, 72, 18) }
```

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

```
.border{ border-color:rgb(56, 72, 18) }
```

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

Here you see how a box with a 4 pixel rgb(56, 72, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 72, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 72, 18);  
box-shadow:4px 4px 4px 4px rgb(56, 72, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 32.966, 118.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 72, 18) }
```

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

```
.background{ background-color: rgb(56, 72,  
18) }
```

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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