

Converting Colors

CIELCh(18, 28.786, 118.367)

Have a look what the booklet for
CIELCh(18, 28.786, 118.367)
contains.

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Color

CIELCh(18, 28.608, 118.399)

Conversions

Conversions Part 1

Format	Color
Hex	233001
RGB	35, 48, 1
RGB Percent	14%, 19%, 0%
CMY	0.8611, 0.8099, 0.9975
CMYK	0.27, 0.00, 0.99, 0.81
HSL	76°, 97%, 10%
HSV	76°, 99%, 19%
XYZ	1.7867, 2.5180, 0.4103
YIQ	38.7550, 7.3390, -17.3730

Conversions

Conversions Part 2

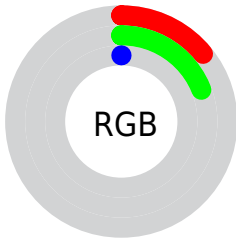
Format	Color
R_{YB}	1, 48, 14
Decimal	2306049
CIE _{Lab}	18.00, -13.61, 25.17
CIE _{LCh}	18, 28.608, 118.399
Yxy	2.5180, 0.3789, 0.5340
Android (android.graphics.Color)	4280496129 (0xFF233001)
YUV	38.7550, -18.6132, -3.2931
Hunter-Lab	15.8683, -7.6714, 9.5747

Details

The CIELCh color **18, 28.608, 118.399** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 31.958, 302.604**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.002, 118.486**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 28.886, 118.440**, and if you desaturate by 10%, it is **18, 26.526, 118.092**.

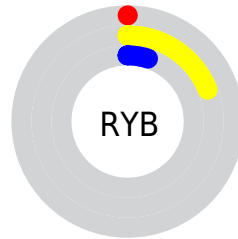
Distribution



Red (14%)

Green (19%)

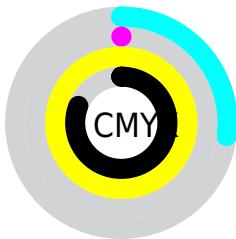
Blue (0%)



Red (0%)

Yellow (19%)

Blue (5%)

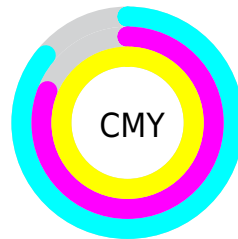


Cyan (27%)

Magenta (0%)

Yellow (99%)

Black (81%)



Cyan (86%)


Magenta (81%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.608, 118.399 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 18, 28.608, 118.399 by changing the saturation by 10% instead.

 18, 28.608,
118.399

 18, 28.608,
118.399


 100, 28.608,
118.399


 8, 28.608, 118.399

 38, 28.608,
118.399

 0, 28.608, 118.399

 48, 28.608,
118.399


 58, 28.608,
118.399


 68, 28.608,
118.399

 78, 28.608,
118.399

 88, 28.608,


118.399


 98, 28.608,
118.399

 18, 28.608,
118.399


 18, 28.608,
118.399


 18, 28.886,
118.440

 18, 26.526,
118.092

 18, 24.454,
117.761

 18, 22.083,
117.623

 19, 19.195,
117.923

 19, 16.090,
118.364

■ 19, 12.874,
118.848

■ 19, 9.588, 119.352

■ 20, 6.259, 119.860

■ 20, 2.908, 120.365

Harmonies

Complementary

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



18, 28.608, 118.399



3, 31.958, 302.604

Rectangle

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



18, 28.608, 118.399



18, 28.608, 168.399



18, 28.608, 298.399



18, 28.608, 348.399

Sweetspot

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



18, 28.608, 118.400



26, 12.617, 119.197



8, 21.189, 37.179



12, 8.693, 119.169



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 28.608, 118.400



24, 36.735, 117.289



17, 32.964, 135.231



9, 1.933, 120.397



35, 46.884, 117.573



80, 89.764, 118.692

Inverse Universe

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



3, 31.958, 302.604



4, 44.703, 307.088



6, 34.880, 320.221



8, 1.961, 301.158



8, 60.117, 308.652



29, 115.517, 307.905

Previews

White Background



This preview shows how the CIE LCh color 18, 28.608, 118.399 looks on a white background.

Color Contrast Check

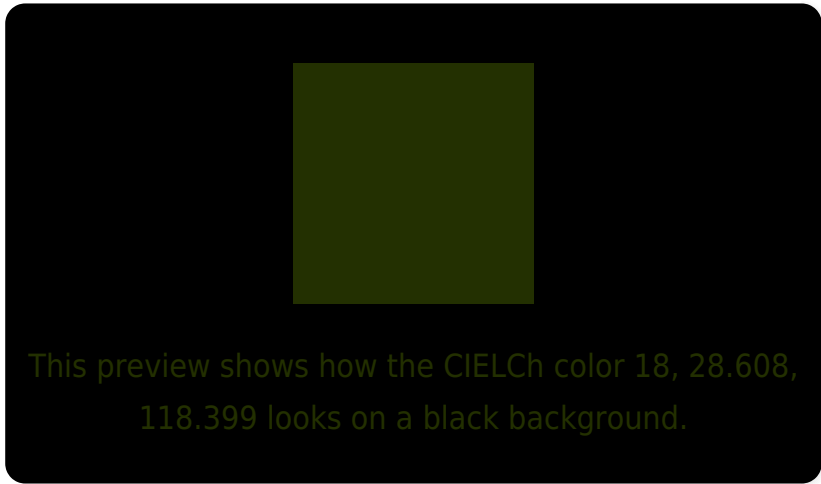
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 28.608, 118.399

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.608, 118.399.



This preview shows how white text looks on a background with the CIELCh color 18, 28.608, 118.399.

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

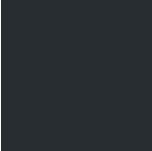
18, 28.216, 118.612

Protanopia

18, 25.730, 96.604

Deuteranopia

18, 22.391, 84.003



Tritanopia
18, 3.509, 251.172

Trichromacy



Original Color
18, 28.216, 118.612

Protanomaly
18, 26.556, 105.385

Deuteranomaly
18, 23.225, 97.586

Tritanomaly
18, 11.016, 129.013

Monochromacy



Original Color
18, 28.216, 118.612

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 11.863, 117.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.608, 118.399 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(35, 48, 1)` looks like.

```
.text, #text, p{  
    color:rgb(35, 48, 1)  
}
```

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(35, 48, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 48, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.608, 118.399 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(35, 48, 1) }
```

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

```
.border{ border-color:rgb(35, 48, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 48, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 48, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(35, 48, 1); box-shadow:4px  
4px 4px 4px rgb(35, 48, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.608, 118.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 48, 1) }
```

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

```
.background{ background-color: rgb(35, 48,  
1) }
```

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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