

Converting Colors

CIELCh(28, 98.049, 304.511)

Have a look what the booklet for
CIELCh(28, 98.049, 304.511)
contains.

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Color

CIELCh(28, 98.010, 304.549)

Conversions

Conversions Part 1

Format	Color
Hex	2621C3
RGB	38, 33, 195
RGB Percent	15%, 13%, 76%
CMY	0.8527, 0.8696, 0.2342
CMYK	0.81, 0.83, 0.00, 0.23
HSL	242°, 71%, 45%
HSV	242°, 83%, 77%
XYZ	11.2148, 5.4574, 52.2563
YIQ	52.9630, -49.0220, 51.4420

Conversions

Conversions Part 2

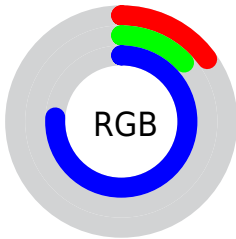
Format	Color
R_{YB}	38, 33, 195
Decimal	2499011
CIE _{Lab}	28.00, 55.58, -80.73
CIE _{LCh}	28, 98.010, 304.549
Yxy	5.4574, 0.1627, 0.0792
Android (android.graphics.Color)	4280689091 (0xFF2621C3)
YUV	52.9630, 70.0242, -13.1226
Hunter-Lab	23.3610, 44.8094, -116.2731

Details

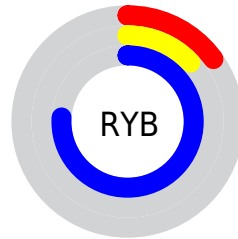
The CIELCh color **28, 98.010, 304.549** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **76, 74.442, 104.734**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 97.791, 304.508**, and **15, 85.654, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 105.856, 305.796**, and if you desaturate by 10%, it is **33, 86.962, 302.741**.

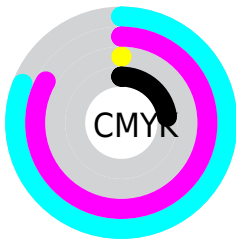
Distribution



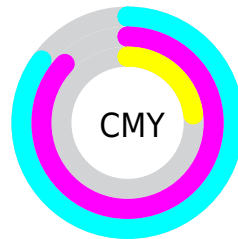
- Red (15%)
- Green (13%)
- Blue (76%)



- Red (15%)
- Yellow (13%)
- Blue (76%)



- Cyan (81%)
- Magenta (83%)
- Yellow (0%)
- Black (23%)





- Cyan (85%)
- Magenta (87%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 98.010, 304.549 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, 98.010, 304.549 by changing the saturation by 10% instead.

 28, 98.010,
304.549

 28, 98.010,
304.549

 100, 98.010,
304.549

 18, 98.010,
304.549

 48, 98.010,
304.549

 8, 98.010, 304.549

 58, 98.010,
304.549

 0, 98.010, 304.549

 68, 98.010,
304.549

 78, 98.010,
304.549

 88, 98.010,
304.549

 98, 98.010,

304.549

■ 28, 98.010,
304.549

■ 28, 98.010,
304.549

■ 25, 105.856,
305.796

■ 33, 86.962,
302.741

■ 24, 109.337,
306.360

■ 38, 74.430,
300.694

■ 44, 61.575,
298.666

■ 51, 48.956,
296.803

■ 57, 36.779,
295.160

■ 64, 25.094,
293.743

■ 70, 13.887,
292.534

■ 77, 3.131, 291.518

■ 83, 7.210, 110.619

Harmonies

Complementary

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



28, 98.010, 304.549



76, 74.442, 104.734

Rectangle

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



28, 98.010, 304.549



28, 98.010, 354.549



28, 98.010, 124.549



28, 98.010, 174.549

Sweetspot

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



28, 98.011, 304.550



80, 34.078, 294.066



71, 38.684, 198.752



39, 23.425, 294.565



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



28, 98.011, 304.550



32, 133.700, 306.340



36, 92.699, 312.975



37, 5.987, 292.144



18, 94.579, 306.380



1, 19.486, 291.855

Inverse Universe

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



48, 88.076, 329.001



60, 113.137, 329.340



71, 82.565, 127.178



38, 7.096, 325.651



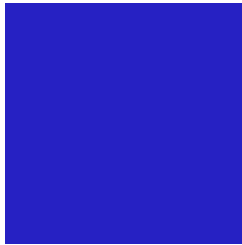
38, 80.137, 329.306



4, 23.629, 327.235

Previews

White Background



This preview shows how the CIE LCh color 28, 98.010, 304.549 looks on a white background.

Color Contrast Check

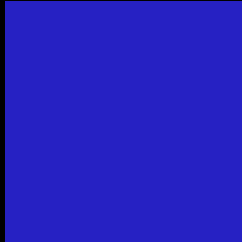
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.010, 304.549 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, 98.010, 304.549

Background



This preview shows how black text looks on a background with the CIELCh color 28, 98.010, 304.549.



This preview shows how white text looks on a background with the CIELCh color 28, 98.010, 304.549.

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, 97.967, 304.600

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 31.665, 270.450



Tritanopia
28, 19.769, 204.200

Trichromacy



Original Color
28, 97.967, 304.600

Protanomaly
27, 66.018, 296.385

Deuteranomaly
26, 57.568, 293.669

Tritanomaly
25, 40.297, 284.608

Monochromacy



Original Color
28, 97.967, 304.600

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 39.331, 298.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 98.010, 304.549 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(38, 33, 195)` looks like.

```
.text, #text, p{  
    color:rgb(38, 33, 195)  
}
```

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(38, 33, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 33, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 98.010, 304.549 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(38, 33, 195) }
```

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

```
.border{ border-color:rgb(38, 33, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 33, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 33, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 33, 195);  
box-shadow:4px 4px 4px 4px rgb(38, 33,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 98.010, 304.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 33, 195) }
```

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

```
.background{ background-color: rgb(38, 33,  
195) }
```

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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