

Converting Colors

CIELCh(18, 28.974, 122.277)

Have a look what the booklet for
CIELCh(18, 28.974, 122.277)
contains.

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Color

CIELCh(18, 28.974, 122.277)

Conversions

Conversions Part 1

Format	Color
Hex	203102
RGB	32, 49, 2
RGB Percent	13%, 19%, 1%
CMY	0.8742, 0.8075, 0.9916
CMYK	0.35, 0.00, 0.96, 0.81
HSL	82°, 92%, 10%
HSV	82°, 96%, 19%
XYZ	1.7125, 2.5180, 0.4571
YIQ	38.5590, 4.9550, -18.2210

Conversions

Conversions Part 2

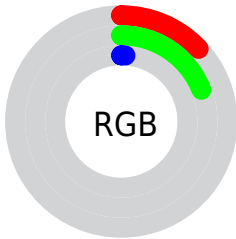
Format	Color
R_{YB}	2, 49, 19
Decimal	2109698
CIE _{Lab}	18.00, -15.47, 24.50
CIE _{LCh}	18, 28.974, 122.277
Yxy	2.5180, 0.3653, 0.5372
Android (android.graphics.Color)	4280299778 (0xFF203102)
YUV	38.5590, -18.0236, -5.7522
Hunter-Lab	15.8683, -8.5060, 9.4001

Details

The CIELCh color **18, 28.974, 122.277** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 32.267, 305.953**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.995, 121.698**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 29.933, 122.439**, and if you desaturate by 10%, it is **18, 26.781, 121.876**.

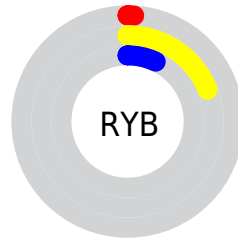
Distribution



Red (13%)

Green (19%)

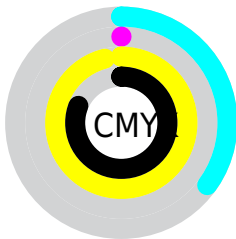
Blue (1%)



Red (1%)

Yellow (19%)

Blue (7%)

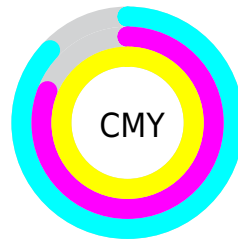


Cyan (35%)

Magenta (0%)

Yellow (96%)

Black (81%)



Cyan (87%)


Magenta (81%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.974, 122.277 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, 28.974, 122.277 by changing the saturation by 10% instead.

 18, 28.974,
122.277

 18, 28.974,
122.277

 100, 28.974,
122.277

 8, 28.974, 122.277

 38, 28.974,
122.277

 0, 28.974, 122.277

 48, 28.974,
122.277

 58, 28.974,
122.277


 68, 28.974,
122.277

 78, 28.974,
122.277

 88, 28.974,


122.277

 98, 28.974,
122.277


 18, 28.974,
122.277


 18, 28.974,
122.277


 18, 29.933,
122.439

 18, 26.781,
121.876

 18, 24.560,
121.454

 19, 21.896,
121.380

 19, 18.801,
121.712

 19, 15.556,
122.115

■ 19, 12.215,
122.552

■ 20, 8.816, 123.001

■ 20, 5.385, 123.450

■ 20, 1.942, 123.894

Harmonies

Complementary

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



18, 28.974, 122.277



4, 32.267, 305.953

Rectangle

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



18, 28.974, 122.277



18, 28.974, 172.277



18, 28.974, 302.277



18, 28.974, 352.277

Sweetspot

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



18, 28.974, 122.278



26, 12.397, 122.780



10, 20.023, 45.333



12, 8.594, 122.738



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, 28.974, 122.278



24, 37.581, 121.282



17, 33.254, 136.670



9, 1.961, 123.793



34, 48.068, 121.611



79, 92.324, 122.915

Inverse Universe

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



4, 32.267, 305.953



5, 44.853, 309.225



7, 34.728, 323.138



8, 1.987, 304.451



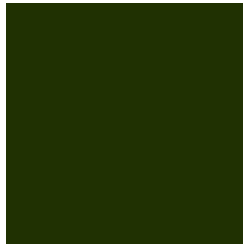
9, 59.162, 309.993



31, 113.714, 309.122

Previews

White Background



This preview shows how the CIELCh color 18, 28.974, 122.277 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

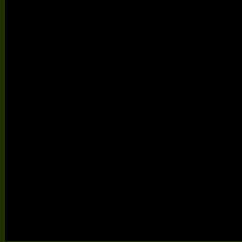
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 28.974, 122.277

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.974, 122.277.



This preview shows how white text looks on a background with the CIELCh color 18, 28.974, 122.277.

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

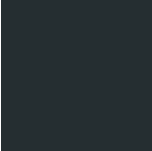
18, 28.974, 122.277

Protanopia

18, 25.730, 96.604

Deuteranopia

18, 22.005, 83.725



Tritanopia
18, 4.423, 226.725

Trichromacy



Original Color
18, 28.974, 122.277

Protanomaly
18, 26.191, 107.927

Deuteranomaly
18, 23.210, 101.800

Tritanomaly
18, 11.866, 137.462

Monochromacy



Original Color
18, 28.974, 122.277

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 12.222, 124.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.974, 122.277 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(32, 49, 2)` looks like.

```
.text, #text, p{  
    color:rgb(32, 49, 2)  
}
```

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(32, 49, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 49, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.974, 122.277 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(32, 49, 2) }
```

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

```
.border{ border-color:rgb(32, 49, 2) }
```

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

Here you see how a box with a 4 pixel rgb(32, 49, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 49, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(32, 49, 2); box-shadow:4px  
4px 4px 4px rgb(32, 49, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.974, 122.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 49, 2) }
```

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

```
.background{ background-color: rgb(32, 49,  
2) }
```

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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