

Converting Colors

CIELCh(30, 26.941, 205.862)

Have a look what the booklet for
CIELCh(30, 26.941, 205.862)
contains.

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Color

CIELCh(31, 21.030, 209.071)

Conversions

Conversions Part 1

Format	Color
Hex	015158
RGB	1, 81, 88
RGB Percent	0%, 32%, 35%
CMY	0.9974, 0.6810, 0.6535
CMYK	0.99, 0.08, 0.00, 0.65
HSL	185°, 99%, 17%
HSV	185°, 99%, 35%
XYZ	4.7527, 6.6515, 10.3421
YIQ	57.8780, -49.9270, -14.7830

Conversions

Conversions Part 2

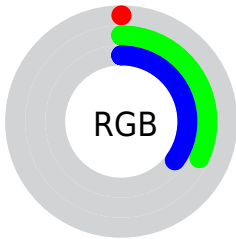
Format	Color
R_YB	1, 43, 88
Decimal	86360
CIE Lab	31.00, -18.38, -10.22
CIE LCh	31, 21.030, 209.071
Yxy	6.6515, 0.2186, 0.3059
Android (android.graphics.Color)	4278276440 (0xFF015158)
YUV	57.8780, 14.8501, -49.8820
Hunter-Lab	25.7905, -12.2395, -5.7222

Details

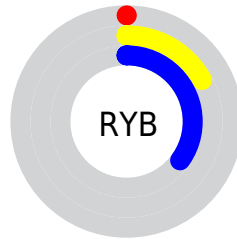
The CIELCh color **31, 21.030, 209.071** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **17, 43.047, 36.441**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 21.028, 208.717**, and **12, 12.664, 220.824** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.082, 209.130**, and if you desaturate by 10%, it is **31, 20.354, 208.234**.

Distribution



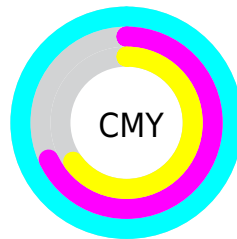
- Red (0%)
- Green (32%)
- Blue (35%)



- Red (0%)
- Yellow (17%)
- Blue (35%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (65%)





- Cyan (100%)
- Magenta (68%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 21.030, 209.071 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 31, 21.030, 209.071 by changing the saturation by 10% instead.


 31, 21.030,
209.071


 31, 21.030,
209.071

 100, 21.030,
209.071


 21, 21.030,
209.071

 51, 21.030,
209.071


 11, 21.030,
209.071


 61, 21.030,
209.071

 1, 21.030, 209.071

 71, 21.030,
209.071

 0, 21.030, 209.071

 81, 21.030,
209.071

 91, 21.030,
209.071

■ 31, 21.030,
209.071

■ 31, 21.030,
209.071

■ 31, 21.082,
209.130

■ 31, 20.354,
208.234

■ 32, 19.514,
207.453

■ 32, 18.259,
206.874

■ 33, 16.588,
206.477

■ 33, 14.525,
206.237

■ 34, 12.102,
206.134

■ 35, 9.365, 206.146

■ 36, 6.361, 206.262

Harmonies

Complementary

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



31, 21.030, 209.071



17, 43.047, 36.441

Rectangle

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



31, 21.030, 209.071



31, 21.030, 259.071



31, 21.030, 29.071



31, 21.030, 79.071

Sweetspot

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



31, 21.030, 209.070



45, 11.845, 206.137



32, 53.433, 137.314



22, 8.066, 206.128



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 21.030, 209.070



40, 25.268, 209.590



16, 34.830, 286.305



17, 1.871, 206.504



38, 24.074, 209.477



79, 42.586, 210.456

Inverse Universe

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



19, 50.152, 331.393



26, 60.365, 331.534



25, 37.067, 68.743



16, 3.490, 327.100



24, 57.506, 331.506



55, 101.817, 331.746

Previews

White Background



This preview shows how the CIELCh color 31, 21.030, 209.071 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 CIELCh color 31, 21.030, 209.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

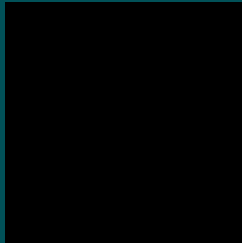
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.030, 209.071

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.030, 209.071.



This preview shows how white text looks on a background with the CIELCh color 31, 21.030, 209.071.

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

31, 20.934, 209.141

Protanopia

31, 6.370, 287.606

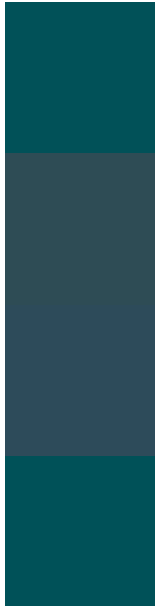
Deuteranopia

31, 12.102, 290.479



Tritanopia
31, 21.030, 209.071

Trichromacy



Original Color
31, 20.934, 209.141

Protanomaly
30, 12.209, 226.347

Deuteranomaly
30, 13.943, 242.137

Tritanomaly
31, 21.030, 209.071

Monochromacy



Original Color
31, 20.934, 209.141

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.241, 207.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.030, 209.071 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(1, 81, 88)` looks like.

```
.text, #text, p{  
    color:rgb(1, 81, 88)  
}
```

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(1, 81, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 81, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.030, 209.071 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(1, 81, 88) }
```

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

```
.border{ border-color:rgb(1, 81, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 81, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 81, 88); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 81, 88); box-shadow:4px  
4px 4px 4px rgb(1, 81, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.030, 209.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 81, 88) }
```

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

```
.background{ background-color: rgb(1, 81,  
88) }
```

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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