

Converting Colors

CIELCh(29, 31.465, 197.195)

Have a look what the booklet for
CIELCh(29, 31.465, 197.195)
contains.

CIELCh(30, 21.301, 199.949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(30, 21.301, 199.949)

Conversions

Conversions Part 1

Format	Color
Hex	004F51
RGB	0, 79, 81
RGB Percent	0%, 31%, 32%
CMY	1.0000, 0.6888, 0.6809
CMYK	1.00, 0.02, 0.00, 0.68
HSL	181°, 100%, 16%
HSV	181°, 100%, 32%
XYZ	4.3066, 6.2359, 8.8327
YIQ	55.6070, -47.7260, -16.1260

Conversions

Conversions Part 2

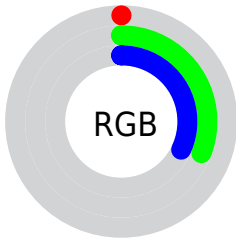
Format	Color
RYB	0, 40, 81
Decimal	20305
CIELab	30.00, -20.02, -7.27
CIELCh	30, 21.301, 199.949
Yxy	6.2359, 0.2223, 0.3218
Android (android.graphics.Color)	4278210385 (0xFF004F51)
YUV	55.6070, 12.5187, -48.7673
Hunter-Lab	24.9718, -12.9165, -3.4909

Details

The CIELCh color **30, 21.301, 199.949** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 40.979, 33.334**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 21.282, 198.854**, and **11, 12.216, 207.092** is the 20% darker color. If you saturate the color by 10%, you get **30, 21.182, 199.983**, and if you desaturate by 10%, it is **30, 20.392, 199.855**.

Distribution



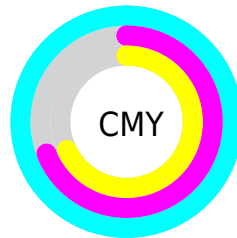
- Red (0%)
- Green (31%)
- Blue (32%)



- Red (0%)
- Yellow (16%)
- Blue (32%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (68%)





- Cyan (100%)
- Magenta (69%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 21.301, 199.949 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 30, 21.301, 199.949 by changing the saturation by 10% instead.


 30, 21.301,
199.949


 30, 21.301,
199.949

 100, 21.301,
199.949


 20, 21.301,
199.949


 50, 21.301,
199.949


 10, 21.301,
199.949

 60, 21.301,
199.949

 0, 21.301, 199.949

 70, 21.301,
199.949

 80, 21.301,
199.949

 90, 21.301,
199.949

■ 30, 21.301,
199.949

■ 30, 21.301,
199.949

■ 30, 21.182,
199.983

■ 30, 20.392,
199.855

■ 30, 19.502,
199.739

■ 31, 18.230,
199.710

■ 31, 16.566,
199.769

■ 31, 14.526,
199.909

■ 32, 12.140,
200.123

■ 33, 9.450, 200.406

■ 33, 6.500, 200.753

Harmonies

Complementary

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



30, 21.301, 199.949



14, 40.979, 33.334

Rectangle

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



30, 21.301, 199.949



30, 21.301, 249.949



30, 21.301, 19.949



30, 21.301, 69.949

Sweetspot

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



30, 21.182, 199.983



42, 11.586, 200.375



29, 51.818, 136.362



21, 7.900, 200.302



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 21.182, 199.983



39, 25.184, 200.109



16, 29.906, 281.412



16, 1.874, 201.241



82, 45.065, 200.378

Inverse Universe

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



17, 49.535, 329.151



23, 58.918, 329.182



22, 34.609, 64.021



15, 3.442, 325.516



55, 105.525, 329.250

Previews

White Background



This preview shows how the CIE LCh color 30, 21.301, 199.949 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 30, 21.301, 199.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

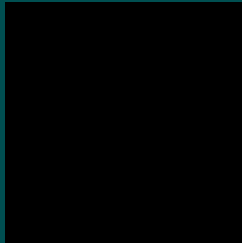
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 21.301, 199.949

Background



This preview shows how black text looks on a background with the CIELCh color 30, 21.301, 199.949.



This preview shows how white text looks on a background with the CIELCh color 30, 21.301, 199.949.

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

30, 21.117, 199.988

Protanopia

30, 3.199, 290.779

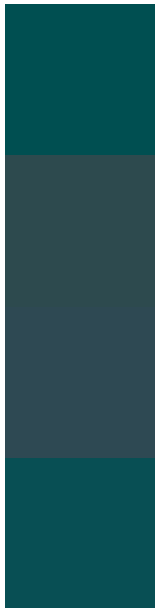
Deuteranopia

30, 9.721, 299.217



Tritanopia
30, 19.511, 208.279

Trichromacy



Original Color
30, 21.117, 199.988

Protanomaly
29, 11.258, 211.141

Deuteranomaly
29, 11.660, 231.886

Tritanomaly
30, 19.974, 206.031

Monochromacy



Original Color
30, 21.117, 199.988

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.982, 201.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 21.301, 199.949 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(0, 79, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 81)  
}
```

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(0, 79, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 21.301, 199.949 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(0, 79, 81) }
```

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

```
.border{ border-color:rgb(0, 79, 81) }
```

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

Here you see how a box with a 4 pixel rgb(0, 79, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 81); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 79, 81); box-shadow:4px  
4px 4px 4px rgb(0, 79, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 21.301, 199.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 81) }
```

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

```
.background{ background-color: rgb(0, 79,  
81) }
```

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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