

Converting Colors

CIELCh(31, 22.640, 194.780)

Have a look what the booklet for
CIELCh(31, 22.640, 194.780)
contains.

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Color

CIELCh(31, 22.163, 194.681)

Conversions

Conversions Part 1

Format	Color
Hex	005251
RGB	0, 82, 81
RGB Percent	0%, 32%, 32%
CMY	0.9991, 0.6779, 0.6819
CMYK	1.00, 0.00, 0.01, 0.68
HSL	179°, 99%, 16%
HSV	179°, 100%, 32%
XYZ	4.5198, 6.6515, 8.8552
YIQ	57.3680, -48.5510, -17.6950

Conversions

Conversions Part 2

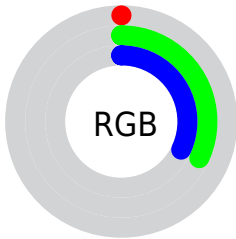
Format	Color
RYB	0, 41, 82
Decimal	21073
CIELab	31.00, -21.44, -5.62
CIELCh	31, 22.163, 194.681
Yxy	6.6515, 0.2257, 0.3321
Android (android.graphics.Color)	4278211153 (0xFF005251)
YUV	57.3680, 11.6506, -50.3117
Hunter-Lab	25.7905, -13.8511, -2.3039

Details

The CIELCh color **31, 22.163, 194.681** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **14, 41.476, 32.103**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 22.151, 194.139**, and **12, 13.254, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **31, 22.187, 194.674**, and if you desaturate by 10%, it is **31, 21.294, 194.902**.

Distribution



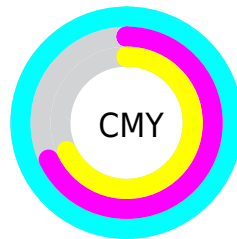
- Red (0%)
- Green (32%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (68%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 22.163, 194.681 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, 22.163, 194.681 by changing the saturation by 10% instead.


 31, 22.163,
194.681


 31, 22.163,
194.681

 100, 22.163,
194.681


 21, 22.163,
194.681

 51, 22.163,
194.681


 11, 22.163,
194.681


 61, 22.163,
194.681

 1, 22.163, 194.681

 71, 22.163,
194.681

 0, 22.163, 194.681

 81, 22.163,
194.681

 91, 22.163,
194.681

■ 31, 22.163,
194.681

■ 31, 22.163,
194.681

■ 31, 22.187,
194.674

■ 31, 21.294,
194.902

■ 31, 20.312,
195.141

■ 31, 18.940,
195.416

■ 32, 17.170,
195.732

■ 32, 15.019,
196.090

■ 33, 12.519,
196.490

■ 33, 9.711, 196.932

■ 34, 6.640, 197.416

Harmonies

Complementary

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



31, 22.163, 194.681



14, 41.476, 32.103

Rectangle

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



31, 22.163, 194.681



31, 22.163, 244.681



31, 22.163, 14.681



31, 22.163, 64.681

Sweetspot

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



31, 22.163, 194.680



43, 12.152, 196.870



30, 52.370, 135.870



21, 8.128, 196.764



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 22.163, 194.680



41, 26.696, 194.614



17, 28.229, 277.931



16, 1.923, 198.022



40, 26.245, 194.619



84, 47.095, 194.497

Inverse Universe

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



14, 41.476, 32.103



21, 52.398, 36.094



21, 34.954, 61.025



15, 2.019, 18.815



20, 51.322, 35.798



48, 96.865, 39.619

Previews

White Background



This preview shows how the CIELCh color 31, 22.163, 194.681 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, 22.163, 194.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

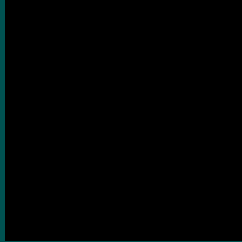
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 22.163, 194.681

Background



This preview shows how black text looks on a background with the CIELCh color 31, 22.163, 194.681.



This preview shows how white text looks on a background with the CIELCh color 31, 22.163, 194.681.

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, 22.163, 194.681

Protanopia

31, 1.354, 309.129

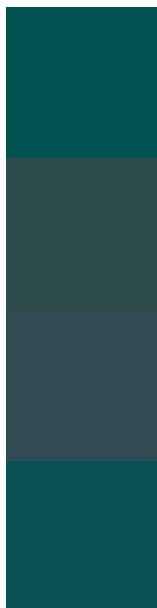
Deuteranopia

31, 8.489, 302.943



Tritanopia
31, 19.416, 210.315

Trichromacy



Original Color
31, 22.163, 194.681

Protanomaly
30, 11.257, 201.054

Deuteranomaly
30, 11.172, 225.591

Tritanomaly
31, 20.171, 205.915

Monochromacy



Original Color
31, 22.163, 194.681

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.822, 194.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 22.163, 194.681 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, 82, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 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, 82, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 22.163, 194.681 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, 82, 81) }
```

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

```
.border{ border-color:rgb(0, 82, 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, 82, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 81); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 82, 81); box-shadow:4px  
4px 4px 4px rgb(0, 82, 81) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 22.163, 194.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 81) }
```

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

```
.background{ background-color: rgb(0, 82,  
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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