

Converting Colors

CIELCh(30, 29.164, 227.914)

Have a look what the booklet for
CIELCh(30, 29.164, 227.914)
contains.

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Color

CIELCh(31, 22.993, 239.640)

Conversions

Conversions Part 1

Format	Color
Hex	005068
RGB	0, 80, 104
RGB Percent	0%, 31%, 41%
CMY	1.0000, 0.6881, 0.5941
CMYK	1.00, 0.23, 0.00, 0.59
HSL	194°, 100%, 20%
HSV	194°, 100%, 41%
XYZ	5.2953, 6.6515, 13.9705
YIQ	58.8160, -55.3840, -9.4960

Conversions

Conversions Part 2

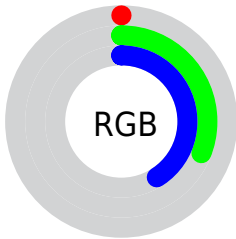
Format	Color
RYB	0, 45, 104
Decimal	20584
CIELab	31.00, -11.62, -19.84
CIELCh	31, 22.993, 239.640
Yxy	6.6515, 0.2043, 0.2566
Android (android.graphics.Color)	4278210664 (0xFF005068)
YUV	58.8160, 22.2757, -51.5816
Hunter-Lab	25.7905, -8.4840, -14.0636

Details

The CIELCh color **31, 22.993, 239.640** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 47.509, 43.838**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 22.940, 239.781**, and **13, 17.852, 262.059** is the 20% darker color. If you saturate the color by 10%, you get **31, 22.928, 239.793**, and if you desaturate by 10%, it is **32, 21.940, 236.495**.

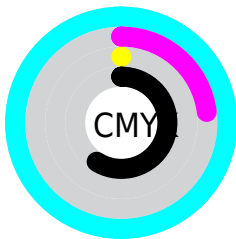
Distribution



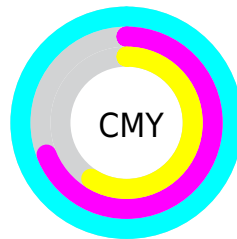
- Red (0%)
- Green (31%)
- Blue (41%)



- Red (0%)
- Yellow (18%)
- Blue (41%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (59%)





- Cyan (100%)
- Magenta (69%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 22.993, 239.640 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, 22.993, 239.640 by changing the saturation by 10% instead.


 31, 22.993,
239.640


 31, 22.993,
239.640

 100, 22.993,
239.640


 21, 22.993,
239.640

 51, 22.993,
239.640


 11, 22.993,
239.640


 61, 22.993,
239.640

 1, 22.993, 239.640

 71, 22.993,
239.640

 0, 22.993, 239.640

 81, 22.993,
239.640

 91, 22.993,
239.640

■ 31, 22.993,
239.640

■ 31, 22.993,
239.640

■ 31, 22.928,
239.793

■ 32, 21.940,
236.495

■ 33, 20.829,
233.381

■ 34, 19.362,
230.835

■ 35, 17.518,
228.793

■ 37, 15.307,
227.179

■ 38, 12.757,
225.920

■ 39, 9.907, 224.951

■ 41, 6.802, 224.223

Harmonies

Complementary

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



31, 22.993, 239.640



22, 47.509, 43.838

Rectangle

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



31, 22.993, 239.640



31, 22.993, 289.640



31, 22.993, 59.640



31, 22.993, 109.640

Sweetspot

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



31, 22.928, 239.793



51, 12.299, 225.025



38, 56.224, 139.942



25, 8.369, 225.304



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



31, 22.928, 239.793



41, 27.883, 241.147



15, 51.421, 297.277



20, 1.939, 223.670



34, 24.715, 240.351



71, 43.362, 243.230

Inverse Universe

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



22, 50.296, 339.367



30, 60.587, 339.769



34, 42.995, 81.720



20, 3.599, 332.158



25, 54.008, 339.532



55, 92.755, 340.404

Previews

White Background



This preview shows how the CIELCh color 31, 22.993, 239.640 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, 22.993, 239.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

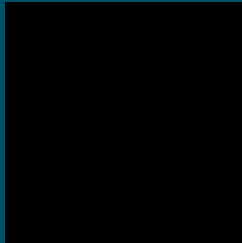
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

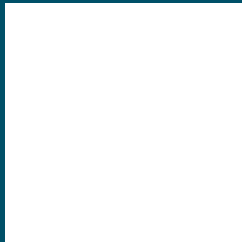
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 22.993, 239.640

Background



This preview shows how black text looks on a background with the CIELCh color 31, 22.993, 239.640.



This preview shows how white text looks on a background with the CIELCh color 31, 22.993, 239.640.

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, 22.993, 239.640

Protanopia

31, 16.640, 285.428

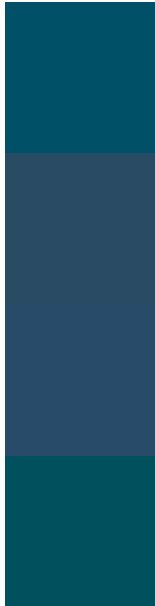
Deuteranopia

31, 20.599, 282.023



Tritanopia
31, 21.030, 209.071

Trichromacy



Original Color
31, 22.993, 239.640

Protanomaly
31, 18.708, 257.842

Deuteranomaly
31, 21.018, 261.176

Tritanomaly
31, 21.059, 222.392

Monochromacy



Original Color
31, 22.993, 239.640

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.952, 227.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 22.993, 239.640 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, 80, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 104)  
}
```

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, 80, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 22.993, 239.640 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, 80, 104) }
```

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

```
.border{ border-color:rgb(0, 80, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 80, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 104)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 22.993, 239.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 104) }
```

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

```
.background{ background-color: rgb(0, 80,  
104) }
```

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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