

Converting Colors

CIELCh(27, 53.118, 208.988)

Have a look what the booklet for
CIELCh(27, 53.118, 208.988)
contains.

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Color

CIELCh(31, 22.366, 234.417)

Conversions

Conversions Part 1

Format	Color
Hex	005065
RGB	0, 80, 101
RGB Percent	0%, 31%, 40%
CMY	1.0000, 0.6865, 0.6043
CMYK	1.00, 0.21, 0.00, 0.60
HSL	192°, 100%, 20%
HSV	192°, 100%, 40%
XYZ	5.1802, 6.6515, 13.2960
YIQ	58.4740, -54.4210, -10.4290

Conversions

Conversions Part 2

Format	Color
RYB	0, 45, 101
Decimal	20581
CIELab	31.00, -13.01, -18.19
CIELCh	31, 22.366, 234.417
Yxy	6.6515, 0.2062, 0.2647
Android (android.graphics.Color)	4278210661 (0xFF005065)
YUV	58.4740, 20.9653, -51.2817
Hunter-Lab	25.7905, -9.2801, -12.5130

Details

The CIELCh color **31, 22.366, 234.417** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 46.849, 42.541**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 22.290, 235.274**, and **12, 16.314, 256.212** is the 20% darker color. If you saturate the color by 10%, you get **31, 22.210, 234.738**, and if you desaturate by 10%, it is **32, 21.350, 231.804**.

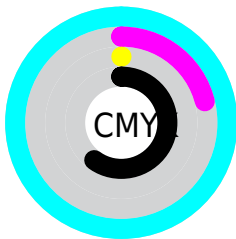
Distribution



- Red (0%)
- Green (31%)
- Blue (40%)



- Red (0%)
- Yellow (18%)
- Blue (40%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (60%)





- Cyan (100%)
- Magenta (69%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 22.366, 234.417 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, 22.366, 234.417 by changing the saturation by 10% instead.


 31, 22.366,
234.417


 31, 22.366,
234.417

 100, 22.366,
234.417


 21, 22.366,
234.417

 51, 22.366,
234.417


 11, 22.366,
234.417


 61, 22.366,
234.417

 1, 22.366, 234.417

 71, 22.366,
234.417

 0, 22.366, 234.417

 81, 22.366,
234.417

 91, 22.366,
234.417

■ 31, 22.366,
234.417

■ 31, 22.366,
234.417

■ 31, 22.210,
234.738

■ 32, 21.350,
231.804

■ 33, 20.355,
229.037

■ 34, 18.983,
226.796

■ 35, 17.219,
225.016

■ 36, 15.075,
223.624

■ 37, 12.583,
222.554

■ 39, 9.784, 221.748

■ 40, 6.725, 221.160

Harmonies

Complementary

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



31, 22.366, 234.417



21, 46.849, 42.541

Rectangle

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



31, 22.366, 234.417



31, 22.366, 284.417



31, 22.366, 54.417



31, 22.366, 104.417

Sweetspot

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



31, 22.210, 234.738



49, 12.020, 221.807



37, 55.676, 139.594



25, 8.180, 222.030



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



31, 22.210, 234.738



40, 26.683, 235.942



15, 49.105, 296.294



20, 1.959, 220.743



35, 24.360, 235.378



72, 42.533, 238.012

Inverse Universe

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



21, 50.255, 337.926



29, 59.972, 338.261



32, 42.080, 80.336



20, 3.661, 331.288



25, 54.926, 338.104



55, 94.404, 338.849

Previews

White Background



This preview shows how the CIELCh color 31, 22.366, 234.417 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, 22.366, 234.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

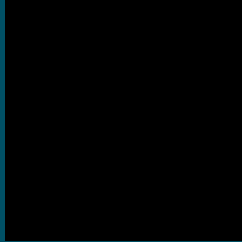
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

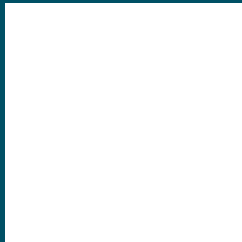
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 22.366, 234.417

Background



This preview shows how black text looks on a background with the CIELCh color 31, 22.366, 234.417.



This preview shows how white text looks on a background with the CIELCh color 31, 22.366, 234.417.

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, 22.228, 234.787

Protanopia

31, 14.722, 285.391

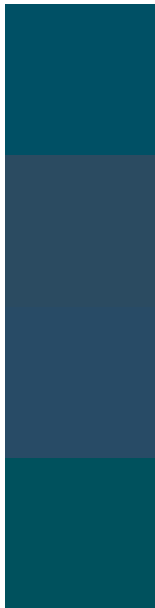
Deuteranopia

31, 19.878, 284.400



Tritanopia
31, 21.264, 207.095

Trichromacy



Original Color
31, 22.228, 234.787

Protanomaly
30, 17.170, 254.028

Deuteranomaly
31, 19.923, 259.258

Tritanomaly
31, 21.068, 218.421

Monochromacy



Original Color
31, 22.228, 234.787

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.747, 224.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 22.366, 234.417 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 22.366, 234.417 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, 101) }
```

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

```
.border{ border-color:rgb(0, 80, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 80, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 80, 101)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 22.366, 234.417 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, 101) }
```

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

```
.background{ background-color: rgb(0, 80,  
101) }
```

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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