

Converting Colors

CIELCh(31, 16.005, 255.897)

Have a look what the booklet for
CIELCh(31, 16.005, 255.897)
contains.

CIELCh(31, 16.072, 255.509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 16.072, 255.509)

Conversions

Conversions Part 1

Format	Color
Hex	304C61
RGB	48, 76, 97
RGB Percent	19%, 30%, 38%
CMY	0.8120, 0.7021, 0.6198
CMYK	0.51, 0.22, 0.00, 0.62
HSL	206°, 34%, 28%
HSV	206°, 51%, 38%
XYZ	5.9530, 6.6515, 12.2669
YIQ	70.0220, -23.4290, 0.5950

Conversions

Conversions Part 2

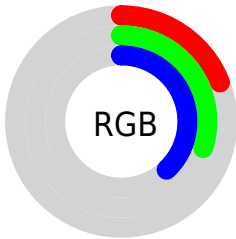
Format	Color
RYB	48, 66, 97
Decimal	3165281
CIELab	31.00, -4.02, -15.56
CIELCh	31, 16.072, 255.509
Yxy	6.6515, 0.2393, 0.2674
Android (android.graphics.Color)	4281355361 (0xFF304C61)
YUV	70.0220, 13.3002, -19.3133
Hunter-Lab	25.7905, -3.9320, -10.1472

Details

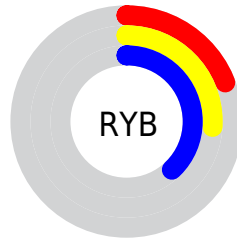
The CIELCh color **31, 16.072, 255.509** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 19.664, 62.246**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 16.189, 255.157**, and **11, 16.097, 258.750** is the 20% darker color. If you saturate the color by 10%, you get **29, 18.897, 258.173**, and if you desaturate by 10%, it is **33, 13.111, 253.267**.

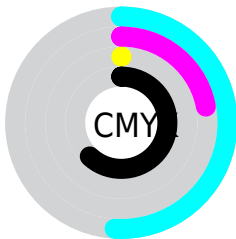
Distribution



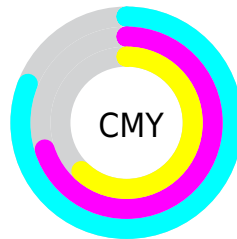
- Red (19%)
- Green (30%)
- Blue (38%)



- Red (19%)
- Yellow (26%)
- Blue (38%)



- Cyan (51%)
- Magenta (22%)
- Yellow (0%)
- Black (62%)



- Cyan (81%)
- Magenta (70%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 16.072, 255.509 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, 16.072, 255.509 by changing the saturation by 10% instead.

■ 31, 16.072,
255.509

■ 31, 16.072,
255.509

■ 100, 16.072,
255.509

■ 21, 16.072,
255.509

■ 51, 16.072,
255.509

■ 11, 16.072,
255.509

■ 61, 16.072,
255.509

■ 1, 16.072, 255.509

■ 71, 16.072,
255.509

■ 0, 16.072, 255.509

■ 81, 16.072,
255.509

■ 91, 16.072,
255.509

■ 31, 16.072,
255.509

■ 31, 16.072,
255.509

■ 29, 18.897,
258.173

■ 33, 13.111,
253.267

■ 27, 21.593,
261.310

■ 35, 10.026,
251.392

■ 26, 24.181,
264.943

■ 37, 6.831, 249.829

■ 39, 3.544, 248.542

■ 24, 26.705,
269.041

■ 41, 0.187, 248.700

■ 22, 29.178,
272.730

■ 43, 3.225, 66.338

■ 45, 6.675, 65.575

■ 47, 10.149, 64.900

■ 49, 13.636, 64.311

Harmonies

Complementary

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



31, 16.072, 255.509



32, 19.664, 62.246

Rectangle

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



31, 16.072, 255.509



31, 16.072, 305.509



31, 16.072, 75.509



31, 16.072, 125.509

Sweetspot

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



31, 16.071, 255.508



49, 6.183, 249.138



37, 26.483, 154.759



24, 4.244, 249.327



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



31, 16.071, 255.508



38, 23.359, 258.833



24, 29.804, 293.684



19, 1.889, 248.356



26, 32.808, 273.682



56, 60.449, 276.980

Inverse Universe

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



27, 27.094, 344.434



32, 39.294, 345.977



39, 26.783, 101.671



18, 2.995, 340.585



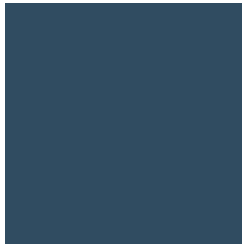
23, 47.502, 353.748



52, 82.221, 356.029

Previews

White Background



This preview shows how the CIELCh color 31, 16.072, 255.509 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 CIE LCh color 31, 16.072, 255.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

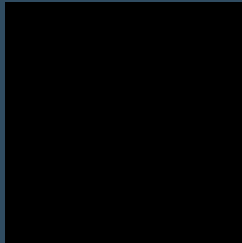
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

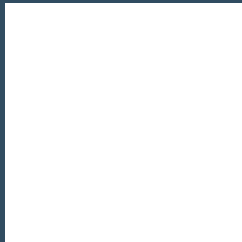
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 16.072, 255.509

Background



This preview shows how black text looks on a background with the CIELCh color 31, 16.072, 255.509.



This preview shows how white text looks on a background with the CIELCh color 31, 16.072, 255.509.

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

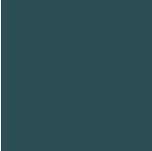
31, 16.072, 255.509

Protanopia

31, 14.095, 284.905

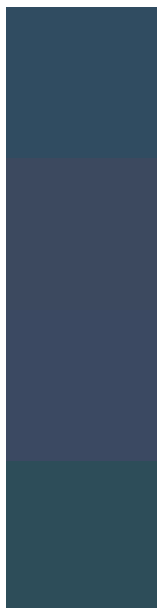
Deuteranopia

31, 16.640, 285.428



Tritanopia
31, 12.881, 215.159

Trichromacy



Original Color
31, 16.072, 255.509

Protanomaly
31, 14.641, 273.539

Deuteranomaly
31, 16.510, 275.190

Tritanomaly
31, 13.438, 233.066

Monochromacy



Original Color
31, 16.072, 255.509

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 6.442, 251.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 16.072, 255.509 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(48, 76, 97)` looks like.

```
.text, #text, p{  
    color:rgb(48, 76, 97)  
}
```

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(48, 76, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 76, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 16.072, 255.509 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(48, 76, 97) }
```

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

```
.border{ border-color:rgb(48, 76, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 76, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 76, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 76, 97);  
box-shadow:4px 4px 4px 4px rgb(48, 76, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 16.072, 255.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 76, 97) }
```

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

```
.background{ background-color: rgb(48, 76,  
97) }
```

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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