

Converting Colors

CIELCh(31, 16.442, 249.623)

Have a look what the booklet for
CIELCh(31, 16.442, 249.623)
contains.

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Color

CIELCh(31, 16.442, 249.623)

Conversions

Conversions Part 1

Format	Color
Hex	2C4D61
RGB	44, 77, 97
RGB Percent	17%, 30%, 38%
CMY	0.8287, 0.6992, 0.6208
CMYK	0.55, 0.21, 0.00, 0.62
HSL	203°, 38%, 28%
HSV	203°, 55%, 38%
XYZ	5.8011, 6.6515, 12.2108
YIQ	69.4130, -26.0880, -0.7760

Conversions

Conversions Part 2

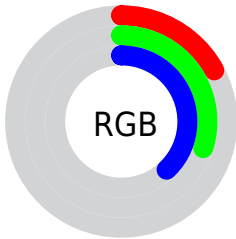
Format	Color
RYB	44, 64, 97
Decimal	2903393
CIELab	31.00, -5.73, -15.41
CIElCh	31, 16.442, 249.623
Yxy	6.6515, 0.2352, 0.2697
Android (android.graphics.Color)	4281093473 (0xFF2C4D61)
YUV	69.4130, 13.6004, -22.2872
Hunter-Lab	25.7905, -4.9832, -10.0181

Details

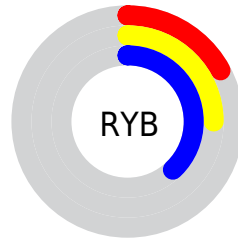
The CIELCh color **31, 16.442, 249.623** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 21.575, 56.641**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 16.490, 250.080**, and **11, 15.670, 255.710** is the 20% darker color. If you saturate the color by 10%, you get **29, 18.909, 252.356**, and if you desaturate by 10%, it is **33, 13.784, 247.349**.

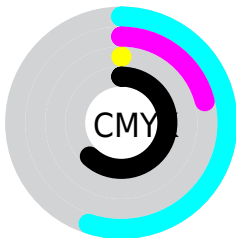
Distribution



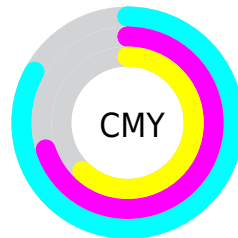
- Red (17%)
- Green (30%)
- Blue (38%)



- Red (17%)
- Yellow (25%)
- Blue (38%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)
- Black (62%)





- Cyan (83%)
- Magenta (70%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 16.442, 249.623 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, 16.442, 249.623 by changing the saturation by 10% instead.


 31, 16.442,
249.623


 31, 16.442,
249.623

 100, 16.442,
249.623


 21, 16.442,
249.623

 51, 16.442,
249.623


 11, 16.442,
249.623


 61, 16.442,
249.623

 1, 16.442, 249.623

 71, 16.442,
249.623

 0, 16.442, 249.623

 81, 16.442,
249.623

 91, 16.442,
249.623

■ 31, 16.442,
249.623

■ 31, 16.442,
249.623

■ 29, 18.909,
252.356

■ 33, 13.784,
247.349

■ 28, 21.191,
255.605

■ 35, 10.949,
245.471

■ 26, 23.314,
259.397

■ 36, 7.956, 243.926

■ 25, 25.362,
263.556

■ 38, 4.830, 242.665

■ 40, 1.594, 241.716

■ 24, 26.472,
265.538

■ 42, 1.727, 60.505

■ 44, 5.113, 59.870

■ 46, 8.546, 59.271

■ 48, 12.010, 58.754

Harmonies

Complementary

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



31, 16.442, 249.623



30, 21.575, 56.641

Rectangle

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



31, 16.442, 249.623



31, 16.442, 299.623



31, 16.442, 69.623



31, 16.442, 119.623

Sweetspot

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



31, 16.441, 249.622



49, 6.423, 242.855



37, 29.678, 152.056



24, 4.361, 243.017



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, 16.441, 249.622



38, 23.560, 253.315



23, 30.615, 292.353



19, 1.847, 242.047



28, 29.756, 266.539



60, 54.372, 269.970

Inverse Universe

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



26, 30.031, 342.127



31, 43.055, 343.684



38, 27.625, 98.473



18, 3.106, 338.143



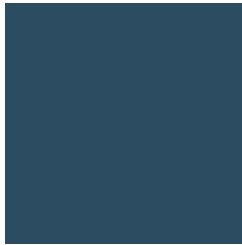
23, 48.629, 349.593



53, 84.040, 351.471

Previews

White Background



This preview shows how the CIELCh color 31, 16.442, 249.623 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, 16.442, 249.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

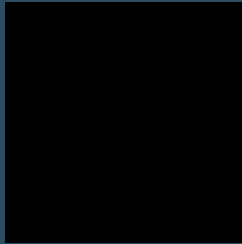
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

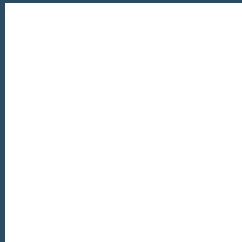
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 16.442, 249.623

Background



This preview shows how black text looks on a background with the CIELCh color 31, 16.442, 249.623.

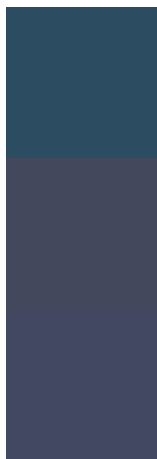


This preview shows how white text looks on a background with the CIELCh color 31, 16.442, 249.623.

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

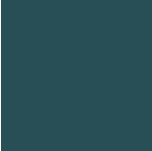
31, 16.442, 249.623

Protanopia

31, 13.469, 284.382

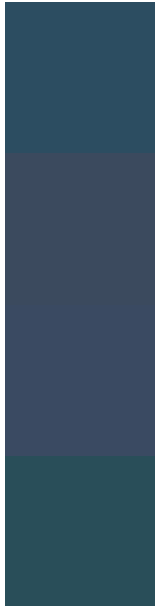
Deuteranopia

31, 16.640, 285.428



Tritanopia
31, 14.508, 212.928

Trichromacy



Original Color
31, 16.442, 249.623

Protanomaly
31, 13.683, 268.471

Deuteranomaly
31, 16.085, 271.899

Tritanomaly
31, 14.391, 227.233

Monochromacy



Original Color
31, 16.442, 249.623

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 6.516, 242.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 16.442, 249.623 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(44, 77, 97)` looks like.

```
.text, #text, p{  
    color:rgb(44, 77, 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(44, 77, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 77, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 16.442, 249.623 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(44, 77, 97) }
```

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

```
.border{ border-color:rgb(44, 77, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 77, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 77, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 77, 97);  
box-shadow:4px 4px 4px 4px rgb(44, 77, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 16.442, 249.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 77, 97) }
```

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

```
.background{ background-color: rgb(44, 77,  
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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