

Converting Colors

CIELCh(31, 19.513, 231.765)

Have a look what the booklet for
CIELCh(31, 19.513, 231.765)
contains.

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Color

CIELCh(31, 19.411, 231.791)

Conversions

Conversions Part 1

Format	Color
Hex	154F60
RGB	21, 79, 96
RGB Percent	8%, 31%, 38%
CMY	0.9158, 0.6890, 0.6223
CMYK	0.78, 0.18, 0.00, 0.62
HSL	194°, 64%, 23%
HSV	194°, 78%, 38%
XYZ	5.2633, 6.6515, 12.1499
YIQ	63.5960, -40.0250, -7.0090

Conversions

Conversions Part 2

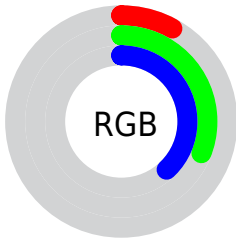
Format	Color
R_{YB}	21, 54, 96
Decimal	1396576
CIE _{Lab}	31.00, -12.01, -15.25
CIE _{LCh}	31, 19.411, 231.791
Yxy	6.6515, 0.2187, 0.2764
Android (android.graphics.Color)	4279586656 (0xFF154F60)
YUV	63.5960, 15.9752, -37.3567
Hunter-Lab	25.7905, -8.7052, -9.8781

Details

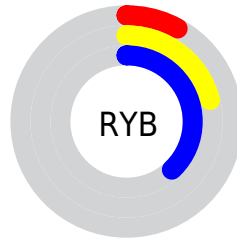
The CIELCh color **31, 19.411, 231.791** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 34.579, 43.428**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 19.482, 233.019**, and **12, 14.844, 250.090** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.536, 234.647**, and if you desaturate by 10%, it is **32, 17.938, 229.470**.

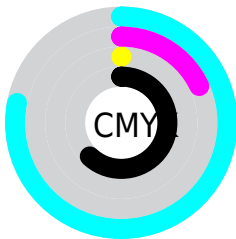
Distribution



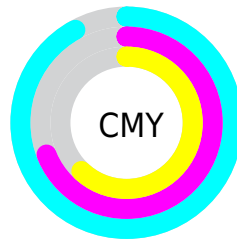
- Red (8%)
- Green (31%)
- Blue (38%)



- Red (8%)
- Yellow (21%)
- Blue (38%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)
- Black (62%)





- Cyan (92%)
- Magenta (69%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.411, 231.791 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, 19.411, 231.791 by changing the saturation by 10% instead.


 31, 19.411,
231.791


 31, 19.411,
231.791

 100, 19.411,
231.791


 21, 19.411,
231.791

 51, 19.411,
231.791


 11, 19.411,
231.791


 61, 19.411,
231.791

 1, 19.411, 231.791

 71, 19.411,
231.791

 0, 19.411, 231.791

 81, 19.411,
231.791

 91, 19.411,
231.791

■ 31, 19.411,
231.791

■ 31, 19.411,
231.791

■ 30, 20.536,
234.647

■ 32, 17.938,
229.470

■ 29, 21.479,
237.795

■ 33, 16.110,
227.616

■ 29, 21.705,
238.475

■ 34, 13.940,
226.157

■ 36, 11.459,
225.023

■ 37, 8.707, 224.156

■ 38, 5.725, 223.511

■ 40, 2.555, 223.085

■ 41, 0.767, 42.191

■ 43, 4.207, 42.274

Harmonies

Complementary

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



31, 19.411, 231.791



24, 34.579, 43.428

Rectangle

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



31, 19.411, 231.791



31, 19.411, 281.791



31, 19.411, 51.791



31, 19.411, 101.791

Sweetspot

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



31, 19.410, 231.791



48, 9.057, 223.871



35, 44.859, 143.358



24, 6.270, 224.051



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, 19.410, 231.791



39, 25.522, 237.371



19, 36.663, 290.302



19, 1.860, 223.119



34, 24.236, 239.319



70, 42.834, 242.243

Inverse Universe

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



22, 43.021, 336.867



28, 56.444, 338.622



33, 33.873, 85.258



18, 3.457, 331.988



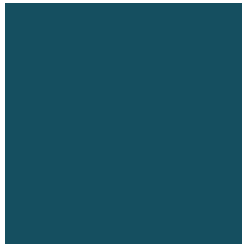
24, 53.336, 339.228



54, 92.322, 340.101

Previews

White Background



This preview shows how the CIELCh color 31, 19.411, 231.791 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, 19.411, 231.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

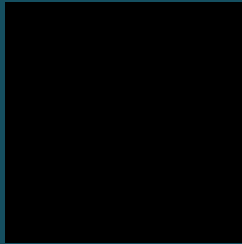
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.411, 231.791

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.411, 231.791.



This preview shows how white text looks on a background with the CIELCh color 31, 19.411, 231.791.

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, 19.411, 231.791

Protanopia

31, 12.172, 284.993

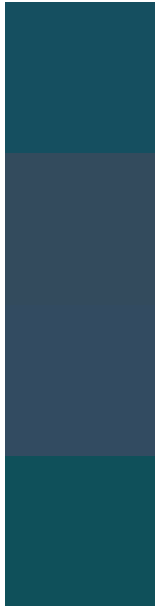
Deuteranopia

31, 16.640, 285.428



Tritanopia
31, 20.015, 207.913

Trichromacy



Original Color
31, 19.411, 231.791

Protanomaly
31, 14.013, 254.206

Deuteranomaly
31, 16.117, 259.910

Tritanomaly
31, 19.387, 216.438

Monochromacy



Original Color
31, 19.411, 231.791

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 8.989, 224.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.411, 231.791 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(21, 79, 96)` looks like.

```
.text, #text, p{  
    color:rgb(21, 79, 96)  
}
```

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(21, 79, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 79, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.411, 231.791 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(21, 79, 96) }
```

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

```
.border{ border-color:rgb(21, 79, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 79, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 79, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 79, 96);  
box-shadow:4px 4px 4px 4px rgb(21, 79, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.411, 231.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 79, 96) }
```

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

```
.background{ background-color: rgb(21, 79,  
96) }
```

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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