

Converting Colors

CIELCh(29, 31.932, 208.732)

Have a look what the booklet for
CIELCh(29, 31.932, 208.732)
contains.

CIELCh(31, 20.848, 216.774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 20.848, 216.774)

Conversions

Conversions Part 1

Format	Color
Hex	02515C
RGB	2, 81, 92
RGB Percent	1%, 32%, 36%
CMY	0.9932, 0.6828, 0.6396
CMYK	0.98, 0.12, 0.00, 0.64
HSL	187°, 96%, 18%
HSV	187°, 98%, 36%
XYZ	4.8840, 6.6515, 11.1306
YIQ	58.6330, -50.6150, -13.3270

Conversions

Conversions Part 2

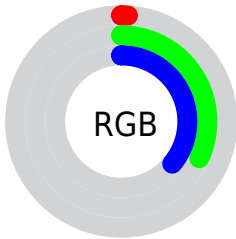
Format	Color
R_{YB}	2, 44, 92
Decimal	151900
CIE _{Lab}	31.00, -16.70, -12.48
CIE _{LCh}	31, 20.848, 216.774
Yxy	6.6515, 0.2155, 0.2935
Android (android.graphics.Color)	4278341980 (0xFF02515C)
YUV	58.6330, 16.4499, -49.6671
Hunter-Lab	25.7905, -11.3305, -7.5349

Details

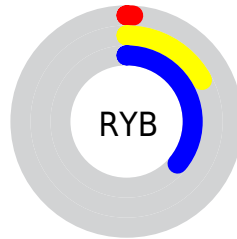
The CIELCh color **31, 20.848, 216.774** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **18, 43.671, 38.175**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 20.939, 215.532**, and **12, 13.136, 231.028** is the 20% darker color. If you saturate the color by 10%, you get **31, 20.975, 217.045**, and if you desaturate by 10%, it is **32, 20.194, 215.270**.

Distribution



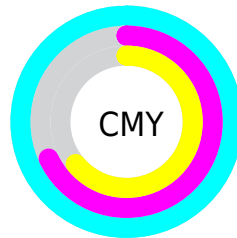
- Red (1%)
- Green (32%)
- Blue (36%)



- Red (1%)
- Yellow (17%)
- Blue (36%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (64%)





- Cyan (99%)
- Magenta (68%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 20.848, 216.774 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, 20.848, 216.774 by changing the saturation by 10% instead.


 31, 20.848,
216.774


 31, 20.848,
216.774

 100, 20.848,
216.774


 21, 20.848,
216.774

 51, 20.848,
216.774


 11, 20.848,
216.774


 61, 20.848,
216.774

 1, 20.848, 216.774

 71, 20.848,
216.774

 0, 20.848, 216.774

 81, 20.848,
216.774

 91, 20.848,
216.774

■ 31, 20.848,
216.774

■ 31, 20.848,
216.774

■ 31, 20.975,
217.045

■ 32, 20.194,
215.270

■ 32, 19.317,
213.918

■ 33, 18.024,
212.870

■ 33, 16.316,
212.086

■ 34, 14.218,
211.526

■ 35, 11.766,
211.153

■ 36, 9.006, 210.939

■ 37, 5.985, 210.859

Harmonies

Complementary

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



31, 20.848, 216.774



18, 43.671, 38.175

Rectangle

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



31, 20.848, 216.774



31, 20.848, 266.774



31, 20.848, 36.774



31, 20.848, 86.774

Sweetspot

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



31, 20.847, 216.773



47, 11.489, 210.967



33, 53.545, 138.198



23, 7.864, 211.022



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



31, 20.847, 216.773



40, 25.241, 217.796



16, 38.837, 290.081



18, 1.895, 210.912



37, 23.706, 217.560



77, 41.616, 219.136

Inverse Universe

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



20, 49.709, 333.268



27, 60.300, 333.547



27, 38.092, 73.420



17, 3.557, 328.401



24, 56.646, 333.489



55, 99.258, 333.878

Previews

White Background



This preview shows how the CIELCh color 31, 20.848, 216.774 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, 20.848, 216.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

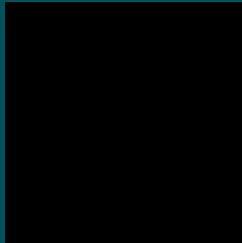
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 20.848, 216.774

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.848, 216.774.



This preview shows how white text looks on a background with the CIELCh color 31, 20.848, 216.774.

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, 20.841, 216.753

Protanopia

31, 8.335, 283.297

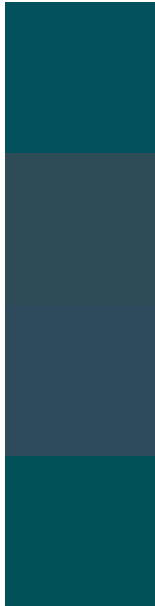
Deuteranopia

31, 14.031, 287.963



Tritanopia
31, 21.030, 209.071

Trichromacy



Original Color
31, 20.841, 216.753

Protanomaly
30, 13.201, 233.900

Deuteranomaly
30, 15.103, 248.496

Tritanomaly
31, 20.903, 211.017

Monochromacy



Original Color
31, 20.841, 216.753

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 10.964, 211.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 20.848, 216.774 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(2, 81, 92)` looks like.

```
.text, #text, p{  
    color:rgb(2, 81, 92)  
}
```

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(2, 81, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 81, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.848, 216.774 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(2, 81, 92) }
```

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

```
.border{ border-color:rgb(2, 81, 92) }
```

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

Here you see how a box with a 4 pixel rgb(2, 81, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 81, 92); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 81, 92); box-shadow:4px  
4px 4px 4px rgb(2, 81, 92) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.848, 216.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 81, 92) }
```

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

```
.background{ background-color: rgb(2, 81,  
92) }
```

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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