

Converting Colors

CIELCh(28, 38.075, 203.500)

Have a look what the booklet for
CIELCh(28, 38.075, 203.500)
contains.

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Color

CIELCh(31, 20.808, 212.991)

Conversions

Conversions Part 1

Format	Color
Hex	02515A
RGB	2, 81, 90
RGB Percent	1%, 32%, 35%
CMY	0.9918, 0.6820, 0.6467
CMYK	0.98, 0.10, 0.00, 0.65
HSL	186°, 95%, 18%
HSV	186°, 98%, 35%
XYZ	4.8248, 6.6515, 10.7247
YIQ	58.4050, -49.9730, -13.9490

Conversions

Conversions Part 2

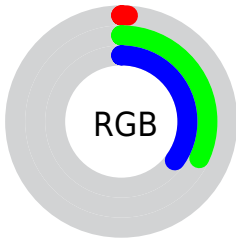
Format	Color
R_{YB}	2, 44, 90
Decimal	151898
CIE _{Lab}	31.00, -17.45, -11.33
CIE _{LCh}	31, 20.808, 212.991
Yxy	6.6515, 0.2173, 0.2996
Android (android.graphics.Color)	4278341978 (0xFF02515A)
YUV	58.4050, 15.5763, -49.4672
Hunter-Lab	25.7905, -11.7400, -6.6018

Details

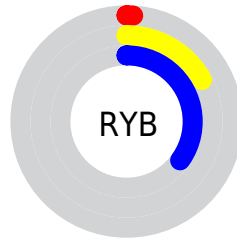
The CIELCh color **31, 20.808, 212.991** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **18, 43.018, 37.246**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 20.832, 212.212**, and **12, 12.780, 224.302** is the 20% darker color. If you saturate the color by 10%, you get **31, 20.964, 213.252**, and if you desaturate by 10%, it is **31, 20.152, 211.804**.

Distribution



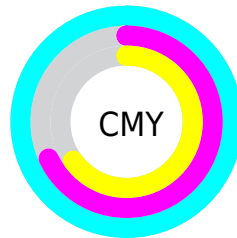
- Red (1%)
- Green (32%)
- Blue (35%)



- Red (1%)
- Yellow (17%)
- Blue (35%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (65%)





- Cyan (99%)
- Magenta (68%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 20.808, 212.991 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, 20.808, 212.991 by changing the saturation by 10% instead.


 31, 20.808,
212.991


 31, 20.808,
212.991

 100, 20.808,
212.991


 21, 20.808,
212.991

 51, 20.808,
212.991


 11, 20.808,
212.991


 61, 20.808,
212.991

 1, 20.808, 212.991

 71, 20.808,
212.991

 0, 20.808, 212.991

 81, 20.808,
212.991

 91, 20.808,
212.991

■ 31, 20.808,
212.991

■ 31, 20.808,
212.991

■ 31, 20.964,
213.252

■ 31, 20.152,
211.804

■ 32, 19.260,
210.751

■ 33, 17.951,
209.951

■ 33, 16.228,
209.371

■ 34, 14.115,
208.981

■ 35, 11.651,
208.751

■ 36, 8.880, 208.657

■ 36, 5.850, 208.681

Harmonies

Complementary

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



31, 20.808, 212.991



18, 43.018, 37.246

Rectangle

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



31, 20.808, 212.991



31, 20.808, 262.991



31, 20.808, 32.991



31, 20.808, 82.991

Sweetspot

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



31, 20.807, 212.990



46, 11.471, 208.667



33, 53.017, 137.964



22, 7.717, 208.688



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 20.807, 212.990



40, 25.179, 213.866



16, 36.929, 288.608



18, 1.926, 208.811



38, 24.013, 213.720



78, 42.124, 214.997

Inverse Universe

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



19, 49.636, 332.330



26, 60.279, 332.581



26, 37.270, 72.010



17, 3.606, 327.786



24, 57.486, 332.545



55, 100.824, 332.858

Previews

White Background



This preview shows how the CIELCh color 31, 20.808, 212.991 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, 20.808, 212.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

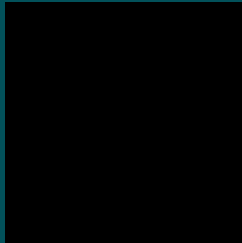
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 20.808, 212.991

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.808, 212.991.



This preview shows how white text looks on a background with the CIELCh color 31, 20.808, 212.991.

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, 20.799, 212.982

Protanopia

31, 7.033, 284.743

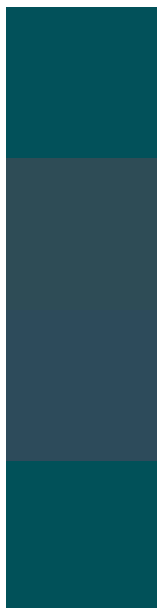
Deuteranopia

31, 12.747, 288.946



Tritanopia
31, 21.030, 209.071

Trichromacy



Original Color
31, 20.799, 212.982

Protanomaly
30, 12.432, 229.235

Deuteranomaly
30, 14.312, 244.365

Tritanomaly
31, 20.903, 211.017

Monochromacy



Original Color
31, 20.799, 212.982

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, 20.808, 212.991 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(2, 81, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 81, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.808, 212.991 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, 90) }
```

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

```
.border{ border-color:rgb(2, 81, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 81, 90); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 81, 90); box-shadow:4px  
4px 4px 4px rgb(2, 81, 90) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.808, 212.991 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, 90) }
```

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

```
.background{ background-color: rgb(2, 81,  
90) }
```

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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