

Converting Colors

CIELCh(31, 19.712, 183.584)

Have a look what the booklet for
CIELCh(31, 19.712, 183.584)
contains.

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Color

CIELCh(31, 19.608, 183.359)

Conversions

Conversions Part 1

Format	Color
Hex	1B514A
RGB	27, 81, 74
RGB Percent	11%, 32%, 29%
CMY	0.8931, 0.6815, 0.7090
CMYK	0.66, 0.00, 0.09, 0.68
HSL	172°, 50%, 21%
HSV	172°, 66%, 32%
XYZ	4.6609, 6.6515, 7.5548
YIQ	64.0560, -29.9370, -13.6250

Conversions

Conversions Part 2

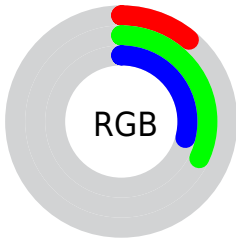
Format	Color
RYB	27, 56, 81
Decimal	1790282
CIELab	31.00, -19.57, -1.15
CIELCh	31, 19.608, 183.359
Yxy	6.6515, 0.2470, 0.3525
Android (android.graphics.Color)	4279980362 (0xFF1B514A)
YUV	64.0560, 4.9024, -32.4981
Hunter-Lab	25.7905, -12.8748, 0.6856




Details

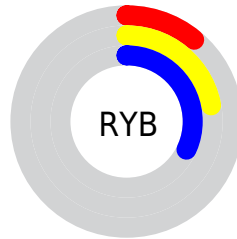
The CIELCh color **31, 19.608, 183.359** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **19, 27.287, 18.226**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **51, 19.704, 183.611**, and **12, 14.820, 178.676** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.427, 182.375**, and if you desaturate by 10%, it is **31, 17.419, 184.276**.

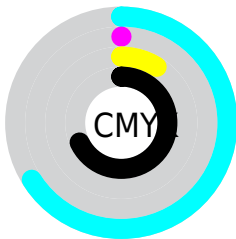
Distribution







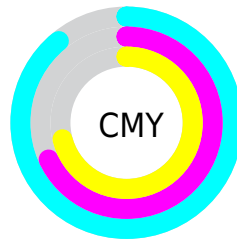
-  Red (11%)
-  Green (32%)
-  Blue (29%)






-  Red (11%)
-  Yellow (22%)
-  Blue (32%)



-  Cyan (66%)
-  Magenta (0%)
-  Yellow (9%)
-  Black (68%)





-  Cyan (89%)
-  Magenta (68%)
-  Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.608, 183.359 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, 19.608, 183.359 by changing the saturation by 10% instead.


 31, 19.608,
183.359


 31, 19.608,
183.359

 100, 19.608,
183.359


 21, 19.608,
183.359

 51, 19.608,
183.359


 11, 19.608,
183.359


 61, 19.608,
183.359

 1, 19.608, 183.359

 71, 19.608,
183.359

 0, 19.608, 183.359

 81, 19.608,
183.359

 91, 19.608,
183.359

■ 31, 19.608,
183.359

■ 31, 19.608,
183.359

■ 31, 21.427,
182.375

■ 31, 17.419,
184.276

■ 31, 22.863,
181.312

■ 32, 14.890,
185.143

■ 30, 24.078,
180.236

■ 32, 12.062,
185.973

■ 30, 24.519,
179.878

■ 33, 8.984, 186.775

■ 33, 5.704, 187.563

■ 34, 2.271, 188.387

■ 35, 1.272, 8.782

■ 36, 4.888, 9.663

■ 37, 8.543, 10.393

Harmonies

Complementary

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



31, 19.608, 183.359



19, 27.287, 18.226

Rectangle

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



31, 19.608, 183.359



31, 19.608, 233.359



31, 19.608, 3.359



31, 19.608, 53.359

Sweetspot

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



31, 19.608, 183.358



43, 8.478, 187.229



30, 38.414, 136.690



21, 5.811, 187.102



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 19.608, 183.358



40, 26.658, 181.718



24, 16.609, 250.857



16, 1.971, 188.185



39, 29.355, 179.385



83, 53.181, 178.355

Inverse Universe

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



19, 27.287, 18.226



22, 40.335, 23.331



23, 23.377, 54.982



15, 2.047, 9.342



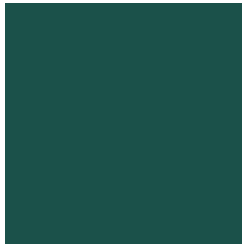
20, 48.809, 30.790



49, 91.373, 34.926

Previews

White Background



This preview shows how the CIELCh color 31, 19.608, 183.359 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, 19.608, 183.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

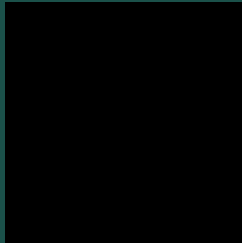
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.608, 183.359

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.608, 183.359.



This preview shows how white text looks on a background with the CIELCh color 31, 19.608, 183.359.

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, 19.608, 183.359

Protanopia

31, 2.323, 74.471

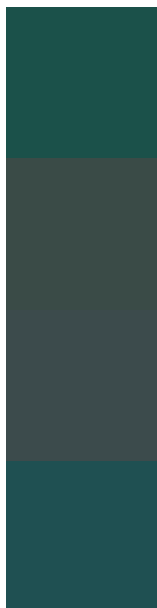
Deuteranopia

31, 4.906, 329.061



Tritanopia
31, 16.213, 211.045

Trichromacy



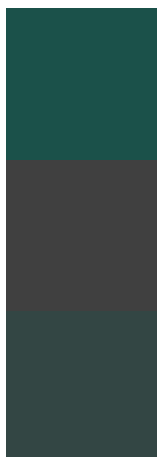
Original Color
31, 19.608, 183.359

Protanomaly
30, 7.667, 178.723

Deuteranomaly
31, 6.215, 204.443

Tritanomaly
31, 16.808, 201.466

Monochromacy



Original Color
31, 19.608, 183.359

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 8.065, 188.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.608, 183.359 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(27, 81, 74)` looks like.

```
.text, #text, p{  
    color:rgb(27, 81, 74)  
}
```

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(27, 81, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 81, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.608, 183.359 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(27, 81, 74) }
```

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

```
.border{ border-color:rgb(27, 81, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 81, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 81, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 81, 74);  
box-shadow:4px 4px 4px 4px rgb(27, 81, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.608, 183.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 81, 74) }
```

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

```
.background{ background-color: rgb(27, 81,  
74) }
```

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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