

Converting Colors

CIELCh(31, 19.328, 227.278)

Have a look what the booklet for
CIELCh(31, 19.328, 227.278)
contains.

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Color

CIELCh(31, 19.450, 227.056)

Conversions

Conversions Part 1

Format	Color
Hex	13505F
RGB	19, 80, 95
RGB Percent	7%, 31%, 37%
CMY	0.9272, 0.6874, 0.6286
CMYK	0.80, 0.16, 0.00, 0.63
HSL	192°, 67%, 22%
HSV	192°, 80%, 37%
XYZ	5.1609, 6.6515, 11.7698
YIQ	63.4710, -41.1710, -8.2670

Conversions

Conversions Part 2

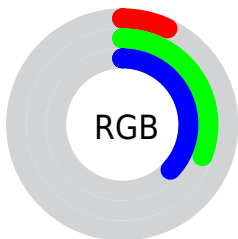
Format	Color
R_{YB}	19, 53, 95
Decimal	1265759
CIE _{Lab}	31.00, -13.25, -14.24
CIE _{LCh}	31, 19.450, 227.056
Yxy	6.6515, 0.2188, 0.2821
Android (android.graphics.Color)	4279455839 (0xFF13505F)
YUV	63.4710, 15.5438, -39.0011
Hunter-Lab	25.7905, -9.4142, -9.0044

Details

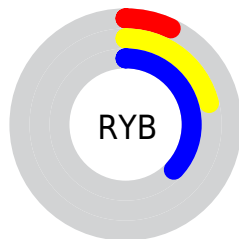
The CIELCh color **31, 19.450, 227.056** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 36.063, 41.644**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 19.271, 227.110**, and **12, 14.164, 243.947** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.369, 229.628**, and if you desaturate by 10%, it is **32, 18.164, 224.976**.

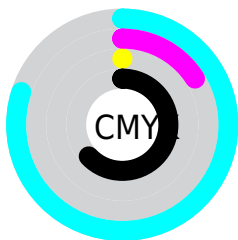
Distribution



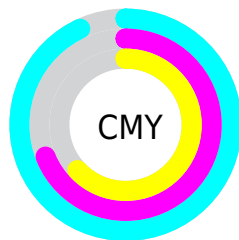
- Red (7%)
- Green (31%)
- Blue (37%)



- Red (7%)
- Yellow (21%)
- Blue (37%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (63%)





- Cyan (93%)
- Magenta (69%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.450, 227.056 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, 19.450, 227.056 by changing the saturation by 10% instead.


 31, 19.450,
227.056


 31, 19.450,
227.056

 100, 19.450,
227.056


 21, 19.450,
227.056

 51, 19.450,
227.056


 11, 19.450,
227.056


 61, 19.450,
227.056

 1, 19.450, 227.056

 71, 19.450,
227.056

 0, 19.450, 227.056

 81, 19.450,
227.056

 91, 19.450,
227.056

■ 31, 19.450,
227.056

■ 31, 19.450,
227.056

■ 30, 20.369,
229.628

■ 32, 18.164,
224.976

■ 29, 21.158,
232.182

■ 33, 16.500,
223.329

■ 34, 14.471,
222.046

■ 35, 12.106,
221.066

■ 36, 9.447, 220.335

■ 37, 6.536, 219.809

■ 39, 3.418, 219.471

■ 40, 0.132, 221.514

■ 42, 3.285, 38.870

Harmonies

Complementary

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



31, 19.450, 227.056



22, 36.063, 41.644

Rectangle

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



31, 19.450, 227.056



31, 19.450, 277.056



31, 19.450, 47.056



31, 19.450, 97.056

Sweetspot

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



31, 19.449, 227.055



47, 9.382, 220.014



35, 46.466, 141.987



23, 6.338, 220.140



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, 19.449, 227.055



39, 25.086, 232.177



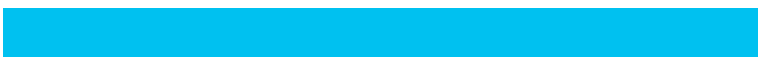
19, 35.681, 288.985



19, 1.887, 219.441



35, 23.867, 233.011



72, 41.928, 235.595

Inverse Universe

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



22, 44.173, 335.634



27, 57.255, 337.197



32, 33.828, 82.135



18, 3.532, 330.899



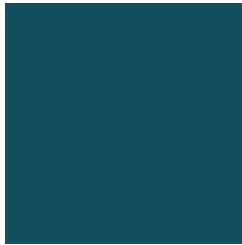
24, 54.493, 337.452



54, 94.424, 338.164

Previews

White Background



This preview shows how the CIELCh color 31, 19.450, 227.056 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, 19.450, 227.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

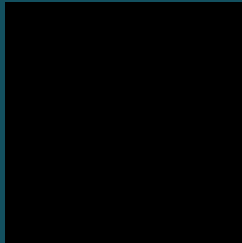
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.450, 227.056

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.450, 227.056.



This preview shows how white text looks on a background with the CIELCh color 31, 19.450, 227.056.

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, 19.450, 227.056

Protanopia

31, 10.875, 285.862

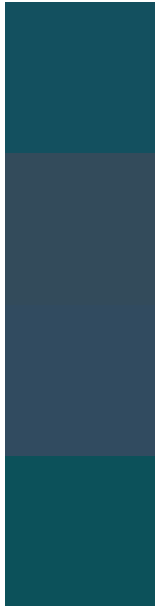
Deuteranopia

31, 15.977, 286.271



Tritanopia
31, 20.265, 209.640

Trichromacy



Original Color
31, 19.450, 227.056

Protanomaly
31, 13.109, 250.196

Deuteranomaly
31, 15.774, 257.424

Tritanomaly
31, 19.873, 213.868

Monochromacy



Original Color
31, 19.450, 227.056

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 9.312, 223.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.450, 227.056 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(19, 80, 95)` looks like.

```
.text, #text, p{  
    color:rgb(19, 80, 95)  
}
```

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(19, 80, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 80, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.450, 227.056 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(19, 80, 95) }
```

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

```
.border{ border-color:rgb(19, 80, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 80, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 80, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 80, 95);  
box-shadow:4px 4px 4px 4px rgb(19, 80, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.450, 227.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 80, 95) }
```

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

```
.background{ background-color: rgb(19, 80,  
95) }
```

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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