

Converting Colors

CIELCh(30, 19.307, 196.672)

Have a look what the booklet for
CIELCh(30, 19.307, 196.672)
contains.

CIELCh(30, 19.307, 196.672)	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(30, 19.307, 196.672)

Conversions

Conversions Part 1

Format	Color
Hex	124F4F
RGB	18, 79, 79
RGB Percent	7%, 31%, 31%
CMY	0.9310, 0.6913, 0.6913
CMYK	0.78, 0.00, 0.00, 0.69
HSL	180°, 63%, 19%
HSV	180°, 78%, 31%
XYZ	4.4183, 6.2359, 8.3141
YIQ	60.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

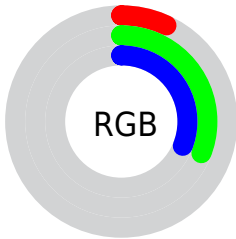
Format	Color
R _Y B	18, 49, 79
Decimal	1199951
CIE Lab	30.00, -18.50, -5.54
CIE LCh	30, 19.307, 196.672
Yxy	6.2359, 0.2329, 0.3288
Android (android.graphics.Color)	4279390031 (0xFF124F4F)
YUV	60.7610, 8.9918, -37.5014
Hunter-Lab	24.9718, -12.1183, -2.2598

Details

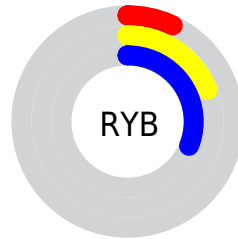
The CIELCh color **30, 19.307, 196.672** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **16, 32.883, 30.278**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 19.010, 197.468**, and **11, 12.448, 199.873** is the 20% darker color. If you saturate the color by 10%, you get **30, 20.322, 196.534**, and if you desaturate by 10%, it is **30, 17.909, 196.861**.

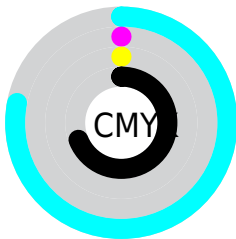
Distribution



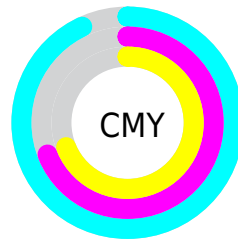
- Red (7%)
- Green (31%)
- Blue (31%)



- Red (7%)
- Yellow (19%)
- Blue (31%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (69%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.307, 196.672 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 30, 19.307, 196.672 by changing the saturation by 10% instead.


 30, 19.307,
196.672


 30, 19.307,
196.672

 100, 19.307,
196.672


 20, 19.307,
196.672


 50, 19.307,
196.672


 10, 19.307,
196.672

 60, 19.307,
196.672

 0, 19.307, 196.672

 70, 19.307,
196.672

 80, 19.307,
196.672

 90, 19.307,
196.672

■ 30, 19.307,
196.672

■ 30, 19.307,
196.672

■ 30, 20.322,
196.534

■ 30, 17.909,
196.861

■ 30, 21.173,
196.420

■ 30, 16.131,
197.106

■ 30, 21.376,
196.393

■ 31, 13.991,
197.405

■ 31, 11.523,
197.756

■ 32, 8.765, 198.157

■ 32, 5.761, 198.608

■ 33, 2.558, 199.140

■ 34, 0.803, 19.178

■ 34, 4.283, 19.988

Harmonies

Complementary

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



30, 19.307, 196.672



16, 32.883, 30.278

Rectangle

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



30, 19.307, 196.672



30, 19.307, 246.672



30, 19.307, 16.672



30, 19.307, 66.672

Sweetspot

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



30, 19.307, 196.671



41, 9.142, 198.323



29, 43.654, 138.071



20, 6.209, 198.233



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 19.307, 196.671



39, 25.026, 196.454



19, 22.054, 271.656



15, 1.819, 199.080



39, 25.571, 196.393



83, 46.275, 196.393

Inverse Universe

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



18, 42.872, 327.781



23, 57.211, 328.132



23, 26.864, 66.425



14, 3.312, 324.844



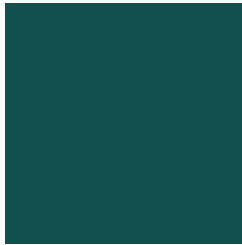
23, 58.969, 328.234



54, 106.714, 328.234

Previews

White Background



This preview shows how the CIE LCh color 30, 19.307, 196.672 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 30, 19.307, 196.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

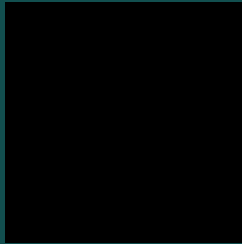
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.307, 196.672

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.307, 196.672.



This preview shows how white text looks on a background with the CIELCh color 30, 19.307, 196.672.

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

30, 19.307, 196.672

Protanopia

30, 1.980, 303.232

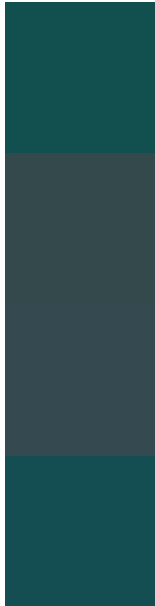
Deuteranopia

30, 7.903, 303.820



Tritanopia
30, 17.910, 209.530

Trichromacy



Original Color
30, 19.307, 196.672

Protanomaly
29, 8.497, 206.929

Deuteranomaly
30, 8.883, 228.971

Tritanomaly
30, 18.323, 205.009

Monochromacy



Original Color
30, 19.307, 196.672

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 8.972, 197.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.307, 196.672 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(18, 79, 79)` looks like.

```
.text, #text, p{  
    color:rgb(18, 79, 79)  
}
```

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(18, 79, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 79, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.307, 196.672 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(18, 79, 79) }
```

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

```
.border{ border-color:rgb(18, 79, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 79, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 79, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 79, 79);  
box-shadow:4px 4px 4px 4px rgb(18, 79, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.307, 196.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 79, 79) }
```

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

```
.background{ background-color: rgb(18, 79,  
79) }
```

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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