

Converting Colors

CIELCh(30, 19.807, 231.045)

Have a look what the booklet for
CIELCh(30, 19.807, 231.045)
contains.

CIELCh(30, 19.741, 231.255)	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, 19.741, 231.255)

Conversions

Conversions Part 1

Format	Color
Hex	0F4D5E
RGB	15, 77, 94
RGB Percent	6%, 30%, 37%
CMY	0.9404, 0.6976, 0.6309
CMYK	0.84, 0.18, 0.00, 0.63
HSL	193°, 72%, 21%
HSV	193°, 84%, 37%
XYZ	4.8867, 6.2359, 11.5616
YIQ	60.4000, -42.4090, -7.8570

Conversions

Conversions Part 2

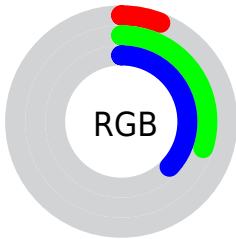
Format	Color
R_{YB}	15, 50, 94
Decimal	1002846
CIE _{Lab}	30.00, -12.36, -15.40
CIE _{LCh}	30, 19.741, 231.255
Yxy	6.2359, 0.2154, 0.2749
Android (android.graphics.Color)	4279192926 (0xFF0F4D5E)
YUV	60.4000, 16.5648, -39.8158
Hunter-Lab	24.9718, -8.7704, -9.9702

Details

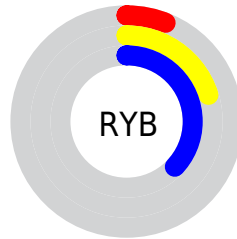
The CIELCh color **30, 19.741, 231.255** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 37.284, 43.001**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 19.678, 230.609**, and **11, 14.315, 248.339** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.648, 234.194**, and if you desaturate by 10%, it is **31, 18.538, 228.777**.

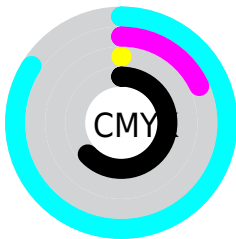
Distribution



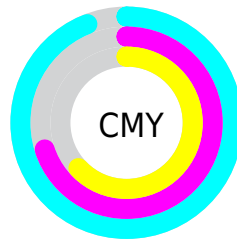
- Red (6%)
- Green (30%)
- Blue (37%)



- Red (6%)
- Yellow (20%)
- Blue (37%)



- Cyan (84%)
- Magenta (18%)
- Yellow (0%)
- Black (63%)





- Cyan (94%)
- Magenta (70%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.741, 231.255 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, 19.741, 231.255 by changing the saturation by 10% instead.


 30, 19.741,
231.255


 30, 19.741,
231.255

 100, 19.741,
231.255


 20, 19.741,
231.255


 50, 19.741,
231.255


 10, 19.741,
231.255

 60, 19.741,
231.255

 0, 19.741, 231.255

 70, 19.741,
231.255

 80, 19.741,
231.255

 90, 19.741,
231.255

■ 30, 19.741,
231.255

■ 30, 19.741,
231.255

■ 29, 20.648,
234.194

■ 31, 18.538,
228.777

■ 29, 21.210,
235.944

■ 32, 16.977,
226.787

■ 33, 15.062,
225.214

■ 34, 12.814,
223.989

■ 35, 10.270,
223.051

■ 37, 7.471, 222.349

■ 38, 4.457, 221.847

■ 39, 1.270, 221.641

Harmonies

Complementary

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



30, 19.741, 231.255



22, 37.284, 43.001

Rectangle

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



30, 19.741, 231.255



30, 19.741, 281.255



30, 19.741, 51.255



30, 19.741, 101.255

Sweetspot

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



30, 19.740, 231.255



47, 9.664, 222.467



34, 47.134, 141.962



23, 6.486, 222.617



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



30, 19.740, 231.255



37, 25.632, 237.301



17, 38.137, 291.120



18, 1.786, 221.677



34, 23.664, 236.767



70, 42.074, 239.656

Inverse Universe

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



21, 44.367, 336.807



27, 57.147, 338.646



31, 35.072, 83.005



17, 3.330, 331.553



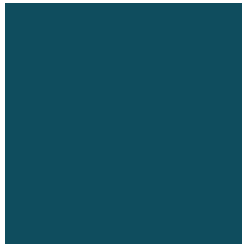
24, 52.928, 338.494



54, 92.383, 339.327

Previews

White Background



This preview shows how the CIELCh color 30, 19.741, 231.255 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, 19.741, 231.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

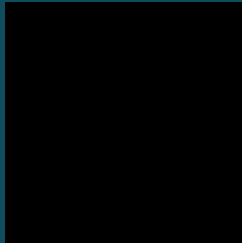
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

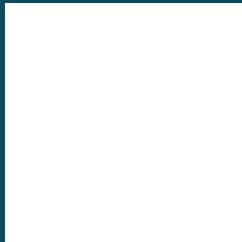
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 19.741, 231.255

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.741, 231.255.



This preview shows how white text looks on a background with the CIELCh color 30, 19.741, 231.255.

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, 19.741, 231.255

Protanopia

30, 12.227, 285.064

Deuteranopia

30, 16.756, 284.304



Tritanopia
30, 20.719, 207.450

Trichromacy



Original Color
30, 19.741, 231.255

Protanomaly
30, 14.222, 253.358

Deuteranomaly
30, 16.450, 258.320

Tritanomaly
30, 19.898, 215.913

Monochromacy



Original Color
30, 19.741, 231.255

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 9.637, 222.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.741, 231.255 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(15, 77, 94)` looks like.

```
.text, #text, p{  
    color:rgb(15, 77, 94)  
}
```

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(15, 77, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 77, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.741, 231.255 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(15, 77, 94) }
```

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

```
.border{ border-color:rgb(15, 77, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 77, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 77, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 77, 94);  
box-shadow:4px 4px 4px 4px rgb(15, 77, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.741, 231.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 77, 94) }
```

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

```
.background{ background-color: rgb(15, 77,  
94) }
```

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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