

Converting Colors

CIELCh(30, 19.862, 173.306)

Have a look what the booklet for
CIELCh(30, 19.862, 173.306)
contains.

CIELCh(30, 19.775, 173.600)	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, 19.775, 173.600)

Conversions

Conversions Part 1

Format	Color
Hex	1F4F43
RGB	31, 79, 67
RGB Percent	12%, 31%, 26%
CMY	0.8797, 0.6914, 0.7384
CMYK	0.61, 0.00, 0.15, 0.69
HSL	165°, 44%, 21%
HSV	165°, 61%, 31%
XYZ	4.3336, 6.2359, 6.2393
YIQ	63.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

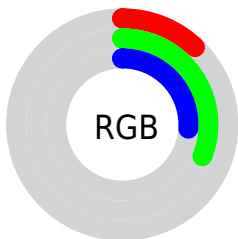
Format	Color
R_{YB}	31, 58, 79
Decimal	2051907
CIE _{Lab}	30.00, -19.65, 2.20
CIE _{LCh}	30, 19.775, 173.600
Yxy	6.2359, 0.2578, 0.3710
Android (android.graphics.Color)	4280241987 (0xFF1F4F43)
YUV	63.2800, 1.8340, -28.3096
Hunter-Lab	24.9718, -12.7238, 2.6664

Details

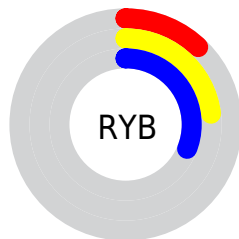
The CIELCh color **30, 19.775, 173.600** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **19, 24.176, 7.646**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 20.136, 173.265**, and **11, 15.966, 168.344** is the 20% darker color. If you saturate the color by 10%, you get **30, 22.174, 172.316**, and if you desaturate by 10%, it is **30, 17.062, 174.770**.

Distribution



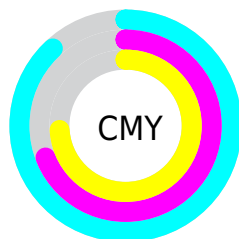
- Red (12%)
- Green (31%)
- Blue (26%)



- Red (12%)
- Yellow (23%)
- Blue (31%)



- Cyan (61%)
- Magenta (0%)
- Yellow (15%)
- Black (69%)





- Cyan (88%)
- Magenta (69%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.775, 173.600 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, 19.775, 173.600 by changing the saturation by 10% instead.


 30, 19.775,
173.600


 30, 19.775,
173.600

 100, 19.775,
173.600


 20, 19.775,
173.600


 50, 19.775,
173.600


 10, 19.775,
173.600

 60, 19.775,
173.600

 0, 19.775, 173.600

 70, 19.775,
173.600

 80, 19.775,
173.600

 90, 19.775,
173.600

■ 30, 19.775,
173.600

■ 30, 19.775,
173.600

■ 30, 22.174,
172.316

■ 30, 17.062,
174.770

■ 29, 24.229,
170.903

■ 31, 14.075,
175.847

■ 29, 25.956,
169.370

■ 31, 10.863,
176.848

■ 29, 27.482,
168.105

■ 32, 7.477, 177.788

■ 33, 3.964, 178.693

■ 33, 0.367, 180.148

■ 34, 3.275, 0.171

■ 35, 6.932, 0.968

■ 36, 10.577, 1.707

Harmonies

Complementary

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



30, 19.775, 173.600



19, 24.176, 7.646

Rectangle

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



30, 19.775, 173.600



30, 19.775, 223.600



30, 19.775, 353.600



30, 19.775, 43.600

Sweetspot

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



30, 19.775, 173.599



42, 7.960, 178.004



30, 33.611, 134.277



20, 5.450, 177.851



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, 19.775, 173.599



39, 27.712, 171.684



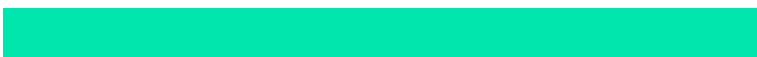
26, 14.293, 231.454



15, 1.965, 178.913



38, 33.227, 167.341



81, 61.455, 165.797

Inverse Universe

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



19, 24.176, 7.646



23, 35.334, 11.443



22, 21.420, 44.422



14, 2.018, 0.198



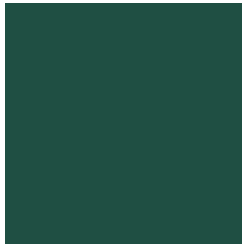
20, 44.958, 21.983



48, 83.713, 26.367

Previews

White Background



This preview shows how the CIELCh color 30, 19.775, 173.600 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 CIE LCh color 30, 19.775, 173.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

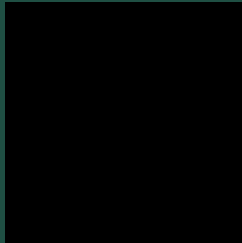
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.775, 173.600

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.775, 173.600.



This preview shows how white text looks on a background with the CIELCh color 30, 19.775, 173.600.

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, 19.775, 173.600

Protanopia

30, 5.424, 89.286

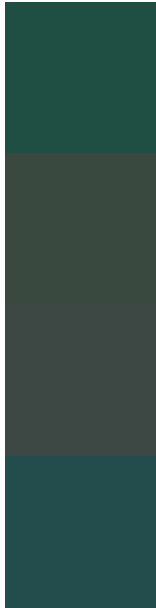
Deuteranopia

30, 4.551, 12.078



Tritanopia
30, 14.285, 216.028

Trichromacy



Original Color
30, 19.775, 173.600

Protanomaly
30, 8.806, 157.165

Deuteranomaly
30, 5.454, 170.486

Tritanomaly
30, 15.237, 197.194

Monochromacy



Original Color
30, 19.775, 173.600

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 8.412, 175.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.775, 173.600 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(31, 79, 67)` looks like.

```
.text, #text, p{  
    color:rgb(31, 79, 67)  
}
```

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(31, 79, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 79, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.775, 173.600 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(31, 79, 67) }
```

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

```
.border{ border-color:rgb(31, 79, 67) }
```

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

Here you see how a box with a 4 pixel rgb(31, 79, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 79, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 79, 67);  
box-shadow:4px 4px 4px 4px rgb(31, 79, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.775, 173.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 79, 67) }
```

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

```
.background{ background-color: rgb(31, 79,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor