

Converting Colors

CIELCh(30, 19.620, 156.133)

Have a look what the booklet for
CIELCh(30, 19.620, 156.133)
contains.

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Color

CIELCh(30, 19.620, 156.133)

Conversions

Conversions Part 1

Format	Color
Hex	2B4E3A
RGB	43, 78, 58
RGB Percent	17%, 31%, 23%
CMY	0.8321, 0.6948, 0.7732
CMYK	0.45, 0.00, 0.26, 0.69
HSL	146°, 29%, 24%
HSV	146°, 45%, 31%
XYZ	4.4592, 6.2359, 4.9482
YIQ	65.2550, -14.4400, -13.6400

Conversions

Conversions Part 2

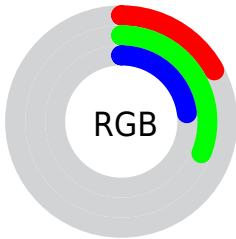
Format	Color
R_{YB}	43, 68, 78
Decimal	2838074
CIE _{Lab}	30.00, -17.94, 7.94
CIE _{LCh}	30, 19.620, 156.133
Yxy	6.2359, 0.2851, 0.3986
Android (android.graphics.Color)	4281028154 (0xFF2B4E3A)
YUV	65.2550, -3.5767, -19.5176
Hunter-Lab	24.9718, -11.8259, 5.7318

Details

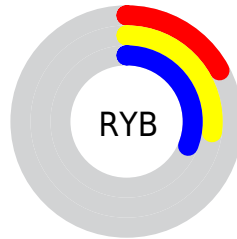
The CIELCh color **30, 19.620, 156.133** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 20.240, 343.685**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 19.320, 155.819**, and **10, 18.585, 155.890** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.673, 154.961**, and if you desaturate by 10%, it is **31, 15.387, 157.174**.

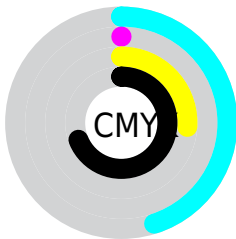
Distribution



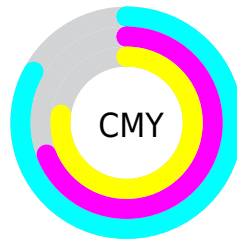
- Red (17%)
- Green (31%)
- Blue (23%)



- Red (17%)
- Yellow (27%)
- Blue (31%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (69%)





- Cyan (83%)
- Magenta (69%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 19.620, 156.133 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, 19.620, 156.133 by changing the saturation by 10% instead.


 30, 19.620,
156.133


 30, 19.620,
156.133

 100, 19.620,
156.133


 20, 19.620,
156.133


 50, 19.620,
156.133


 10, 19.620,
156.133

 60, 19.620,
156.133

 0, 19.620, 156.133

 70, 19.620,
156.133

 80, 19.620,
156.133

 90, 19.620,
156.133

■ 30, 19.620,
156.133

■ 30, 19.620,
156.133

■ 30, 23.673,
154.961

■ 31, 15.387,
157.174

■ 29, 27.482,
153.642

■ 31, 11.035,
158.104

■ 29, 30.989,
152.160

■ 32, 6.620, 158.943

■ 29, 34.148,
150.508

■ 33, 2.191, 159.747

■ 34, 2.212, 340.245

■ 28, 37.047,
148.846

■ 34, 6.558, 340.918

■ 28, 38.493,
148.126

■ 35, 10.824,
341.494

■ 36, 14.996,
342.019

■ 37, 19.061,

Harmonies

Complementary

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



30, 19.620, 156.133



23, 20.240, 343.685

Rectangle

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



30, 19.620, 156.133



30, 19.620, 206.133



30, 19.620, 336.133



30, 19.620, 26.133

Sweetspot

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



30, 19.621, 156.132



42, 7.188, 159.062



31, 22.755, 124.089



20, 4.968, 158.956



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, 19.621, 156.132



39, 29.041, 154.829



30, 13.664, 189.503



15, 2.429, 159.445



37, 47.312, 147.209



80, 88.811, 145.504

Inverse Universe

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



23, 20.240, 343.685



28, 30.004, 344.897



22, 17.392, 17.187



14, 2.449, 340.556



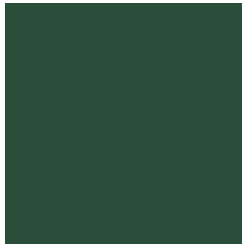
21, 44.487, 353.376



50, 79.589, 355.954

Previews

White Background



This preview shows how the CIELCh color 30, 19.620, 156.133 looks on a white background.

Color Contrast Check

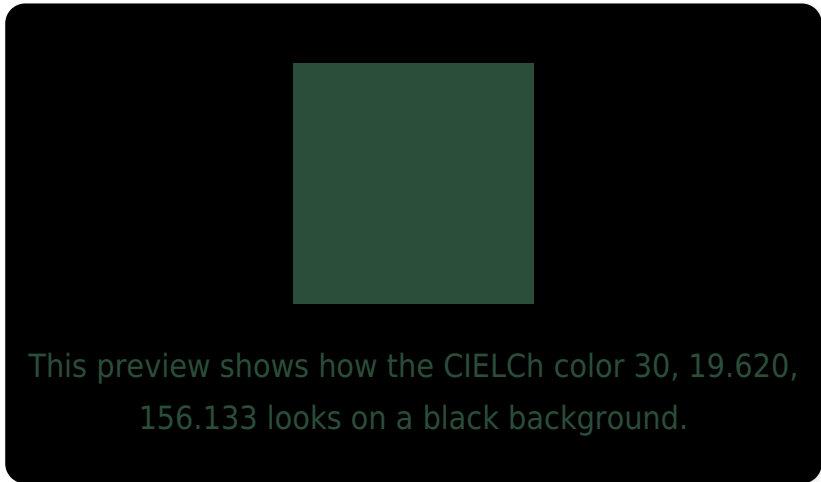
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

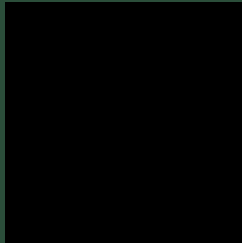
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 19.620, 156.133

Background



This preview shows how black text looks on a background with the CIELCh color 30, 19.620, 156.133.



This preview shows how white text looks on a background with the CIELCh color 30, 19.620, 156.133.

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](#).

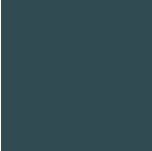
Dichromacy



Original Color
30, 19.620, 156.133

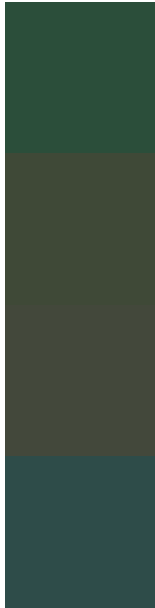
Protanopia
30, 10.465, 95.001

Deuteranopia
30, 8.027, 59.328



Tritanopia
30, 10.825, 218.970

Trichromacy



Original Color
30, 19.620, 156.133

Protanomaly
30, 12.353, 130.004

Deuteranomaly
30, 8.599, 124.127

Tritanomaly
30, 12.087, 188.388

Monochromacy



Original Color
30, 19.620, 156.133

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.775, 156.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 19.620, 156.133 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(43, 78, 58)` looks like.

```
.text, #text, p{  
    color:rgb(43, 78, 58)  
}
```

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(43, 78, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 78, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 19.620, 156.133 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(43, 78, 58) }
```

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

```
.border{ border-color:rgb(43, 78, 58) }
```

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

Here you see how a box with a 4 pixel rgb(43, 78, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 78, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 78, 58);  
box-shadow:4px 4px 4px 4px rgb(43, 78, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 19.620, 156.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 78, 58) }
```

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

```
.background{ background-color: rgb(43, 78,  
58) }
```

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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