

Converting Colors

CIELCh(30, 16.175, 157.355)

Have a look what the booklet for
CIELCh(30, 16.175, 157.355)
contains.

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Color

CIELCh(30, 16.143, 157.835)

Conversions

Conversions Part 1

Format	Color
Hex	304D3D
RGB	48, 77, 61
RGB Percent	19%, 30%, 24%
CMY	0.8126, 0.6989, 0.7616
CMYK	0.38, 0.00, 0.21, 0.70
HSL	147°, 23%, 24%
HSV	147°, 38%, 30%
XYZ	4.6849, 6.2359, 5.3427
YIQ	66.5050, -12.1480, -11.1240

Conversions

Conversions Part 2

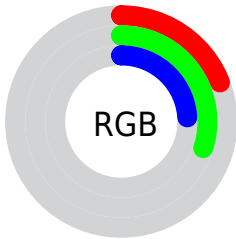
Format	Color
R_{YB}	48, 68, 77
Decimal	3165501
CIE Lab	30.00, -14.95, 6.09
CIE LCh	30, 16.143, 157.835
Yxy	6.2359, 0.2881, 0.3834
Android (android.graphics.Color)	4281355581 (0xFF304D3D)
YUV	66.5050, -2.7140, -16.2289
Hunter-Lab	24.9718, -10.2128, 4.7952

Details

The CIELCh color **30, 16.143, 157.835** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 16.655, 344.020**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 16.291, 157.561**, and **10, 16.322, 157.619** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.214, 156.754**, and if you desaturate by 10%, it is **31, 11.937, 158.800**.

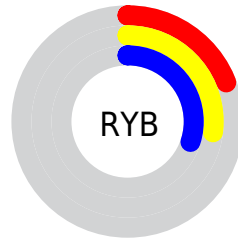
Distribution



Red (19%)

Green (30%)

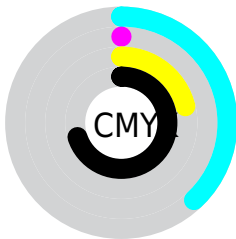
Blue (24%)



Red (19%)

Yellow (27%)

Blue (30%)

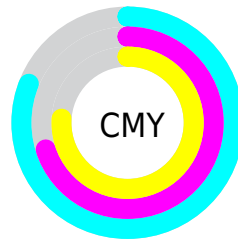


Cyan (38%)

Magenta (0%)

Yellow (21%)

Black (70%)



Cyan (81%)


Magenta (70%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 16.143, 157.835 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, 16.143, 157.835 by changing the saturation by 10% instead.


 30, 16.143,
157.835


 30, 16.143,
157.835

 100, 16.143,
157.835


 20, 16.143,
157.835


 50, 16.143,
157.835


 10, 16.143,
157.835

 60, 16.143,
157.835

 0, 16.143, 157.835

 70, 16.143,
157.835

 80, 16.143,
157.835

 90, 16.143,
157.835

■ 30, 16.143,
157.835

■ 30, 16.143,
157.835

■ 29, 20.214,
156.754

■ 31, 11.937,
158.800

■ 29, 24.089,
155.540

■ 31, 7.652, 159.670

■ 29, 27.708,
154.175

■ 32, 3.338, 160.479

■ 33, 0.965, 340.922

■ 28, 31.017,
152.645

■ 34, 5.224, 341.730

■ 28, 33.981,
150.946

■ 35, 9.414, 342.336

■ 28, 36.791,
149.366

■ 36, 13.517,
342.888

■ 28, 37.420,
149.055

■ 37, 17.521,
343.398

■ 38, 21.420,
343.873

Harmonies

Complementary

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



30, 16.143, 157.835



24, 16.655, 344.020

Rectangle

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



30, 16.143, 157.835



30, 16.143, 207.835



30, 16.143, 337.835



30, 16.143, 27.835

Sweetspot

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



30, 16.144, 157.834



41, 5.868, 160.187



31, 19.062, 125.038



21, 3.976, 160.134



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, 16.144, 157.834



38, 23.625, 156.881



30, 11.559, 191.518



15, 2.394, 160.407



37, 46.452, 148.080



80, 87.185, 146.359

Inverse Universe

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



24, 16.655, 344.020



29, 24.490, 344.929



23, 14.200, 17.382



14, 2.416, 341.537



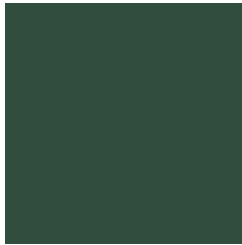
20, 44.152, 355.009



50, 79.075, 357.765

Previews

White Background



This preview shows how the CIELCh color 30, 16.143, 157.835 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, 16.143, 157.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

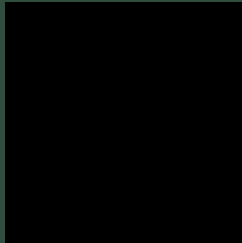
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 16.143, 157.835

Background



This preview shows how black text looks on a background with the CIELCh color 30, 16.143, 157.835.



This preview shows how white text looks on a background with the CIELCh color 30, 16.143, 157.835.

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](#).

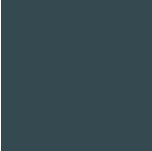
Dichromacy



Original Color
30, 16.143, 157.835

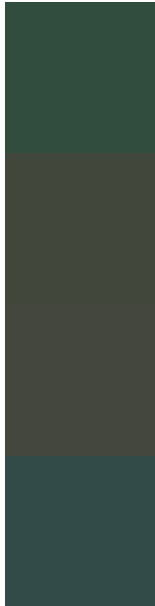
Protanopia
30, 8.004, 91.604

Deuteranopia
30, 6.450, 49.639



Tritanopia
30, 9.273, 222.924

Trichromacy



Original Color
30, 16.143, 157.835

Protanomaly
30, 8.902, 129.697

Deuteranomaly
30, 5.912, 122.443

Tritanomaly
30, 10.205, 190.610

Monochromacy



Original Color
30, 16.143, 157.835

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 6.241, 160.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 16.143, 157.835 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(48, 77, 61)` looks like.

```
.text, #text, p{  
    color:rgb(48, 77, 61)  
}
```

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(48, 77, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 77, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 16.143, 157.835 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(48, 77, 61) }
```

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

```
.border{ border-color:rgb(48, 77, 61) }
```

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

Here you see how a box with a 4 pixel rgb(48, 77, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 77, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 77, 61);  
box-shadow:4px 4px 4px 4px rgb(48, 77, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 16.143, 157.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 77, 61) }
```

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

```
.background{ background-color: rgb(48, 77,  
61) }
```

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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