

Converting Colors

CIELCh(30, 17.827, 150.555)

Have a look what the booklet for
CIELCh(30, 17.827, 150.555)
contains.

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Color

CIELCh(30, 17.720, 151.028)

Conversions

Conversions Part 1

Format	Color
Hex	314D39
RGB	49, 77, 57
RGB Percent	19%, 30%, 22%
CMY	0.8083, 0.6985, 0.7769
CMYK	0.36, 0.00, 0.26, 0.70
HSL	137°, 22%, 25%
HSV	137°, 36%, 30%
XYZ	4.6427, 6.2359, 4.8153
YIQ	66.3480, -10.2680, -12.1560

Conversions

Conversions Part 2

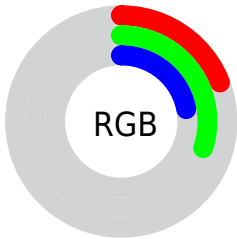
Format	Color
R_{YB}	49, 71, 77
Decimal	3231033
CIE _{Lab}	30.00, -15.50, 8.58
CIE _{LCh}	30, 17.720, 151.028
Yxy	6.2359, 0.2958, 0.3973
Android (android.graphics.Color)	4281421113 (0xFF314D39)
YUV	66.3480, -4.6086, -15.2142
Hunter-Lab	24.9718, -10.5146, 6.0473

Details

The CIELCh color **30, 17.720, 151.028** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 17.896, 336.074**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 17.715, 151.265**, and **10, 18.222, 150.496** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.435, 150.037**, and if you desaturate by 10%, it is **31, 12.887, 151.900**.

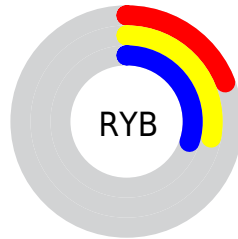
Distribution



 Red (19%)

 Green (30%)

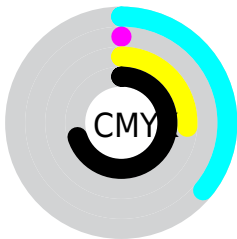
 Blue (22%)




 Red (19%)

 Yellow (28%)

 Blue (30%)

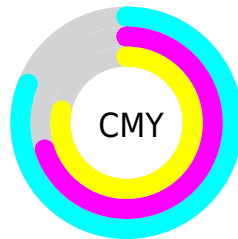



 Cyan (36%)


 Magenta (0%)

 Yellow (26%)

 Black (70%)



 Cyan (81%)


 Magenta (70%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.720, 151.028 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, 17.720, 151.028 by changing the saturation by 10% instead.


 30, 17.720,
151.028


 30, 17.720,
151.028

 100, 17.720,
151.028


 20, 17.720,
151.028


 50, 17.720,
151.028


 10, 17.720,
151.028

 60, 17.720,
151.028

 0, 17.720, 151.028

 70, 17.720,
151.028

 80, 17.720,
151.028

 90, 17.720,
151.028

■ 30, 17.720,
151.028

■ 30, 17.720,
151.028

■ 29, 22.435,
150.037

■ 31, 12.887,
151.900

■ 29, 26.956,
148.912

■ 31, 7.998, 152.673

■ 32, 3.111, 153.381

■ 29, 31.207,
147.642

■ 33, 1.734, 333.828

■ 28, 35.110,
146.223

■ 34, 6.501, 334.433

■ 28, 38.599,
144.662

■ 35, 11.167,
334.922

■ 28, 41.780,
143.213

■ 36, 15.717,
335.357

■ 28, 42.882,
142.788

■ 37, 20.141,
335.750

■ 38, 24.434,

Harmonies

Complementary

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



30, 17.720, 151.028



24, 17.896, 336.074

Rectangle

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



30, 17.720, 151.028



30, 17.720, 201.028



30, 17.720, 331.028



30, 17.720, 21.028

Sweetspot

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



30, 17.721, 151.028



41, 6.620, 153.031



31, 17.862, 119.218



20, 4.486, 152.985



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, 17.721, 151.028



38, 26.336, 150.123



30, 12.117, 178.856



15, 2.699, 153.223



37, 53.163, 141.918



80, 99.546, 140.437

Inverse Universe

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



24, 17.896, 336.074



30, 26.586, 336.754



24, 13.809, 5.767



14, 2.711, 334.202



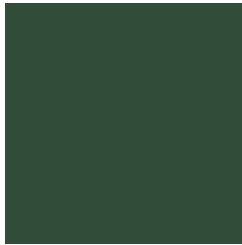
21, 48.030, 342.753



51, 85.802, 344.138

Previews

White Background



This preview shows how the CIELCh color 30, 17.720, 151.028 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, 17.720, 151.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

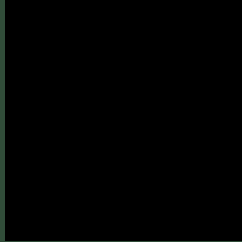
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.720, 151.028

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.720, 151.028.



This preview shows how white text looks on a background with the CIELCh color 30, 17.720, 151.028.

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](#).

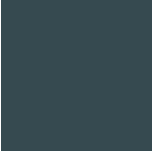
Dichromacy



Original Color
30, 17.720, 151.028

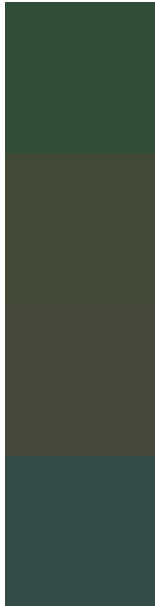
Protanopia
30, 10.465, 95.001

Deuteranopia
30, 8.475, 62.414



Tritanopia
30, 8.636, 224.952

Trichromacy



Original Color
30, 17.720, 151.028

Protanomaly
30, 11.877, 123.975

Deuteranomaly
30, 8.333, 115.004

Tritanomaly
30, 9.663, 186.417

Monochromacy



Original Color
30, 17.720, 151.028

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 6.366, 153.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 17.720, 151.028 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(49, 77, 57)` looks like.

```
.text, #text, p{  
    color:rgb(49, 77, 57)  
}
```

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(49, 77, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 77, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.720, 151.028 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(49, 77, 57) }
```

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

```
.border{ border-color:rgb(49, 77, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 77, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 77, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 77, 57);  
box-shadow:4px 4px 4px 4px rgb(49, 77, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.720, 151.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 77, 57) }
```

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

```
.background{ background-color: rgb(49, 77,  
57) }
```

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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