

Converting Colors

CIELCh(30, 17.000, 152.386)

Have a look what the booklet for
CIELCh(30, 17.000, 152.386)
contains.

CIELCh(30, 17.239, 152.413)	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, 17.239, 152.413)

Conversions

Conversions Part 1

Format	Color
Hex	314D3A
RGB	49, 77, 58
RGB Percent	19%, 30%, 23%
CMY	0.8085, 0.6987, 0.7732
CMYK	0.36, 0.00, 0.25, 0.70
HSL	139°, 22%, 25%
HSV	139°, 36%, 30%
XYZ	4.6597, 6.2359, 4.9389
YIQ	66.4620, -10.5890, -11.8450

Conversions

Conversions Part 2

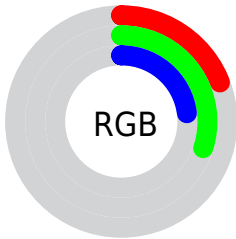
Format	Color
R_{YB}	49, 70, 77
Decimal	3231034
CIE Lab	30.00, -15.28, 7.98
CIE LCh	30, 17.239, 152.413
Yxy	6.2359, 0.2943, 0.3938
Android (android.graphics.Color)	4281421114 (0xFF314D3A)
YUV	66.4620, -4.1718, -15.3142
Hunter-Lab	24.9718, -10.3927, 5.7539

Details

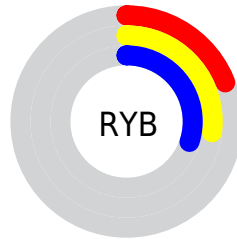
The CIELCh color **30, 17.239, 152.413** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 17.468, 337.639**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 17.276, 152.538**, and **10, 17.396, 152.716** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.815, 151.405**, and if you desaturate by 10%, it is **31, 12.545, 153.302**.

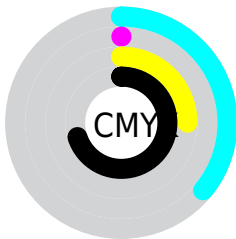
Distribution



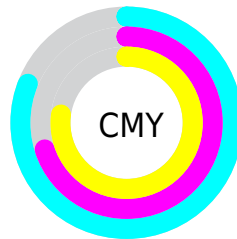
- Red (19%)
- Green (30%)
- Blue (23%)



- Red (19%)
- Yellow (27%)
- Blue (30%)



- Cyan (36%)
- Magenta (0%)
- Yellow (25%)
- Black (70%)





- Cyan (81%)
- Magenta (70%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 17.239, 152.413 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, 17.239, 152.413 by changing the saturation by 10% instead.


 30, 17.239,
152.413


 30, 17.239,
152.413

 100, 17.239,
152.413


 20, 17.239,
152.413


 50, 17.239,
152.413


 10, 17.239,
152.413

 60, 17.239,
152.413

 0, 17.239, 152.413

 70, 17.239,
152.413

 80, 17.239,
152.413

 90, 17.239,
152.413

■ 30, 17.239,
152.413

■ 30, 17.239,
152.413

■ 29, 21.815,
151.405

■ 31, 12.545,
153.302

■ 29, 26.201,
150.263

■ 31, 7.794, 154.093

■ 32, 3.039, 154.822

■ 29, 30.324,
148.973

■ 33, 1.678, 335.279

■ 28, 34.116,
147.528

■ 34, 6.323, 335.909

■ 28, 37.516,
145.931

■ 35, 10.873,
336.419

■ 28, 40.642,
144.428

■ 36, 15.313,
336.876

■ 28, 41.729,
143.981

■ 37, 19.632,
337.292

■ 38, 23.826,

Harmonies

Complementary

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



30, 17.239, 152.413



24, 17.468, 337.639

Rectangle

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



30, 17.239, 152.413



30, 17.239, 202.413



30, 17.239, 332.413



30, 17.239, 22.413

Sweetspot

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



30, 17.240, 152.413



41, 6.447, 154.463



31, 17.968, 120.568



20, 4.369, 154.415



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, 17.240, 152.413



38, 25.613, 151.494



30, 11.870, 181.514



15, 2.629, 154.660



37, 51.785, 143.077



80, 97.086, 141.520

Inverse Universe

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



24, 17.468, 337.639



30, 25.963, 338.366



24, 13.724, 8.279



14, 2.643, 335.669



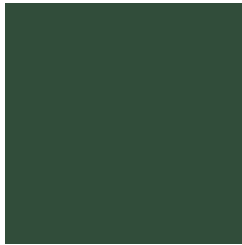
21, 46.980, 345.191



51, 83.883, 346.850

Previews

White Background



This preview shows how the CIELCh color 30, 17.239, 152.413 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, 17.239, 152.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

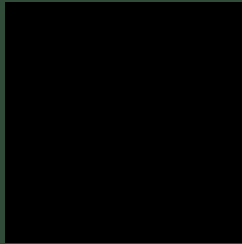
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 17.239, 152.413

Background



This preview shows how black text looks on a background with the CIELCh color 30, 17.239, 152.413.



This preview shows how white text looks on a background with the CIELCh color 30, 17.239, 152.413.

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](#).

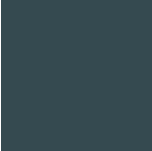
Dichromacy



Original Color
30, 17.239, 152.413

Protanopia
30, 9.848, 94.335

Deuteranopia
30, 8.027, 59.328



Tritanopia
30, 8.955, 223.898

Trichromacy



Original Color
30, 17.239, 152.413

Protanomaly
30, 10.697, 125.907

Deuteranomaly
30, 7.704, 115.621

Tritanomaly
30, 10.023, 186.775

Monochromacy



Original Color
30, 17.239, 152.413

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, 17.239, 152.413 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(49, 77, 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(49, 77, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 77, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 17.239, 152.413 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, 58) }
```

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

```
.border{ border-color:rgb(49, 77, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 77, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 77, 58);  
box-shadow:4px 4px 4px 4px rgb(49, 77, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 17.239, 152.413 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, 58) }
```

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

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