

Converting Colors

CIELCh(30, 14.306, 164.411)

Have a look what the booklet for
CIELCh(30, 14.306, 164.411)
contains.

CIELCh(30, 14.171, 164.434)	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, 14.171, 164.434)

Conversions

Conversions Part 1

Format	Color
Hex	304C40
RGB	48, 76, 64
RGB Percent	19%, 30%, 25%
CMY	0.8103, 0.7004, 0.7475
CMYK	0.37, 0.00, 0.16, 0.70
HSL	154°, 22%, 24%
HSV	154°, 37%, 30%
XYZ	4.7852, 6.2359, 5.8592
YIQ	66.2600, -12.8360, -9.6680

Conversions

Conversions Part 2

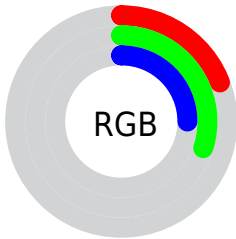
Format	Color
R_{YB}	48, 66, 76
Decimal	3165248
CIE Lab	30.00, -13.65, 3.80
CIE LCh	30, 14.171, 164.434
Yxy	6.2359, 0.2835, 0.3694
Android (android.graphics.Color)	4281355328 (0xFF304C40)
YUV	66.2600, -1.1142, -16.0140
Hunter-Lab	24.9718, -9.4959, 3.5688

Details

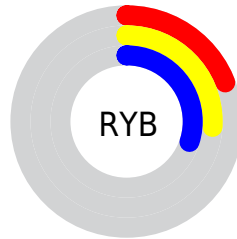
The CIELCh color **30, 14.171, 164.434** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 15.007, 351.070**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 14.112, 165.281**, and **10, 14.150, 164.782** is the 20% darker color. If you saturate the color by 10%, you get **29, 17.792, 163.331**, and if you desaturate by 10%, it is **31, 10.403, 165.433**.

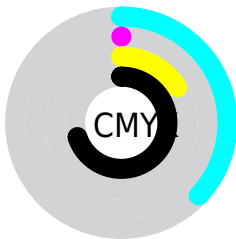
Distribution



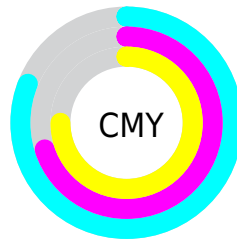
- Red (19%)
- Green (30%)
- Blue (25%)



- Red (19%)
- Yellow (26%)
- Blue (30%)



- Cyan (37%)
- Magenta (0%)
- Yellow (16%)
- Black (70%)





- Cyan (81%)
- Magenta (70%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 14.171, 164.434 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, 14.171, 164.434 by changing the saturation by 10% instead.


 30, 14.171,
164.434


 30, 14.171,
164.434

 100, 14.171,
164.434


 20, 14.171,
164.434


 50, 14.171,
164.434

 10, 14.171,
164.434

 60, 14.171,
164.434

 0, 14.171, 164.434

 70, 14.171,
164.434

 80, 14.171,
164.434

 90, 14.171,
164.434

■ 30, 14.171,
164.434

■ 30, 14.171,
164.434

■ 29, 17.792,
163.331

■ 31, 10.403,
165.433

■ 29, 21.209,
162.108

■ 31, 6.537, 166.352

■ 32, 2.619, 167.234

■ 29, 24.372,
160.747

■ 33, 1.310, 347.755

■ 28, 27.236,
159.229

■ 34, 5.221, 348.594

■ 28, 29.772,
157.542

■ 35, 9.086, 349.281

■ 35, 12.889,
349.917

■ 28, 32.151,
155.906

■ 36, 16.617,
350.515

■ 28, 32.952,
155.423

■ 38, 20.260,
351.081

Harmonies

Complementary

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



30, 14.171, 164.434



24, 15.007, 351.070

Rectangle

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



30, 14.171, 164.434



30, 14.171, 214.434



30, 14.171, 344.434



30, 14.171, 34.434

Sweetspot

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



30, 14.172, 164.433



41, 5.372, 166.814



30, 19.087, 129.848



21, 3.639, 166.757



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, 14.172, 164.433



39, 20.899, 163.449



30, 10.282, 204.657



15, 2.194, 167.055



38, 40.973, 154.424



81, 76.656, 152.669

Inverse Universe

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



24, 15.007, 351.070



29, 22.417, 352.180



24, 13.022, 27.322



14, 2.226, 348.298



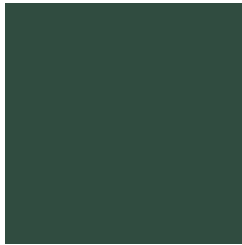
20, 43.083, 5.862



49, 78.085, 9.640

Previews

White Background



This preview shows how the CIELCh color 30, 14.171, 164.434 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, 14.171, 164.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

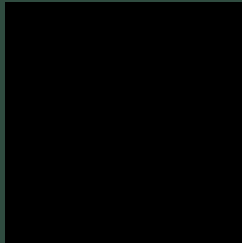
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

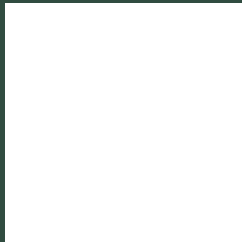
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 14.171, 164.434

Background



This preview shows how black text looks on a background with the CIELCh color 30, 14.171, 164.434.

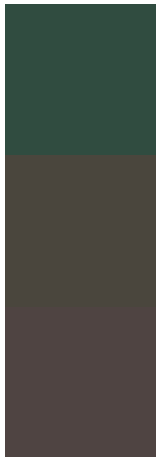


This preview shows how white text looks on a background with the CIELCh color 30, 14.171, 164.434.

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

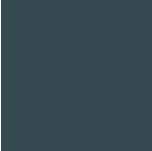
30, 14.171, 164.434

Protanopia

30, 6.030, 91.156

Deuteranopia

30, 5.199, 34.300



Tritanopia
30, 9.273, 222.924

Trichromacy



Original Color
30, 14.171, 164.434

Protanomaly
30, 7.147, 135.205

Deuteranomaly
30, 4.073, 128.753

Tritanomaly
30, 9.710, 194.148

Monochromacy



Original Color
30, 14.171, 164.434

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 5.108, 168.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 14.171, 164.434 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, 76, 64)` looks like.

```
.text, #text, p{  
    color:rgb(48, 76, 64)  
}
```

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, 76, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 76, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 14.171, 164.434 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, 76, 64) }
```

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

```
.border{ border-color:rgb(48, 76, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 76, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 76, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 76, 64);  
box-shadow:4px 4px 4px 4px rgb(48, 76, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 14.171, 164.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 76, 64) }
```

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

```
.background{ background-color: rgb(48, 76,  
64) }
```

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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