

Converting Colors

CIELCh(30, 13.050, 171.167)

Have a look what the booklet for
CIELCh(30, 13.050, 171.167)
contains.

CIELCh(30, 13.050, 171.167)	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, 13.050, 171.167)

Conversions

Conversions Part 1	
Format	Color
Hex	304C43
RGB	48, 76, 67
RGB Percent	19%, 30%, 26%
CMY	0.8110, 0.7012, 0.7365
CMYK	0.37, 0.00, 0.12, 0.70
HSL	161°, 23%, 24%
HSV	161°, 37%, 30%
XYZ	4.8442, 6.2359, 6.2881
YIQ	66.6020, -13.7990, -8.7350

Conversions

Conversions Part 2

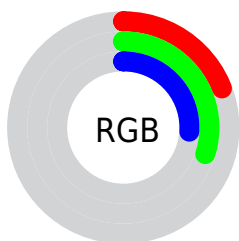
Format	Color
RYB	48, 65, 76
Decimal	3165251
CIELab	30.00, -12.90, 2.00
CIELCh	30, 13.050, 171.167
Yxy	6.2359, 0.2789, 0.3590
Android (android.graphics.Color)	4281355331 (0xFF304C43)
YUV	66.6020, 0.1962, -16.3140
Hunter-Lab	24.9718, -9.0740, 2.5506

Details

The CIELCh color **30, 13.050, 171.167** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 14.289, 358.204**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 13.127, 171.496**, and **10, 13.307, 169.873** is the 20% darker color. If you saturate the color by 10%, you get **30, 16.291, 170.076**, and if you desaturate by 10%, it is **31, 9.635, 172.169**.

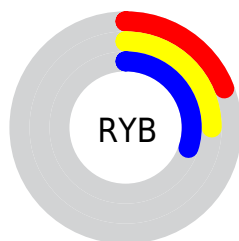
Distribution



Red (19%)

Green (30%)

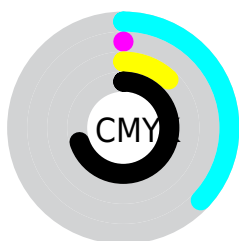
Blue (26%)



Red (19%)

Yellow (25%)

Blue (30%)

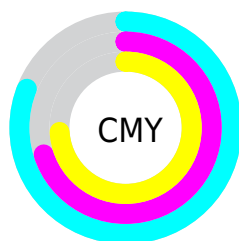


Cyan (37%)

Magenta (0%)

Yellow (12%)

Black (70%)



Cyan (81%)

Magenta (70%)


Yellow (74%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 30, 13.050, 171.167 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, 13.050, 171.167 by changing the saturation by 10% instead.


 30, 13.050,
171.167


 30, 13.050,
171.167

 100, 13.050,
171.167


 20, 13.050,
171.167


 50, 13.050,
171.167


 10, 13.050,
171.167

 60, 13.050,
171.167

 0, 13.050, 171.167

 70, 13.050,
171.167

 80, 13.050,
171.167

 90, 13.050,
171.167

■ 30, 13.050,
171.167

■ 30, 13.050,
171.167

■ 30, 16.291,
170.076

■ 31, 9.635, 172.169

■ 29, 19.306,
168.884

■ 31, 6.094, 173.107

■ 32, 2.472, 174.025

■ 29, 22.049,
167.571

■ 33, 1.193, 354.541

■ 28, 24.483,
166.117

■ 33, 4.866, 355.453

■ 34, 8.523, 356.199

■ 28, 26.584,
164.508

■ 35, 12.143,
356.898

■ 28, 28.540,
162.940

■ 36, 15.710,
357.563

■ 28, 29.185,
162.483

■ 37, 19.214,
358.200

Harmonies

Complementary

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



30, 13.050, 171.167



24, 14.289, 358.204

Rectangle

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



30, 13.050, 171.167



30, 13.050, 221.167



30, 13.050, 351.167



30, 13.050, 41.167

Sweetspot

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



30, 13.051, 171.165



41, 5.005, 173.592



30, 19.645, 133.104



21, 3.389, 173.532



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, 13.051, 171.165



39, 19.155, 170.200



29, 9.514, 216.697



15, 2.046, 173.844



38, 36.234, 161.528



81, 67.388, 159.849

Inverse Universe

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



24, 14.289, 358.204



29, 21.452, 359.460



25, 12.056, 36.056



14, 2.090, 355.141



20, 43.719, 15.686



49, 80.520, 20.010

Previews

White Background



This preview shows how the CIELCh color 30, 13.050, 171.167 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 CIE LCh color 30, 13.050, 171.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

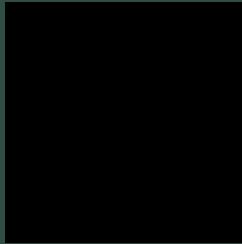
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 13.050, 171.167

Background



This preview shows how black text looks on a background with the CIELCh color 30, 13.050, 171.167.



This preview shows how white text looks on a background with the CIELCh color 30, 13.050, 171.167.

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, 13.050, 171.167

Protanopia

30, 4.061, 89.727

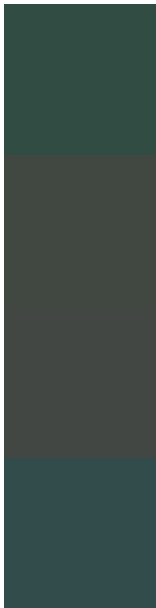
Deuteranopia

30, 4.551, 12.078



Tritanopia
30, 9.589, 222.022

Trichromacy



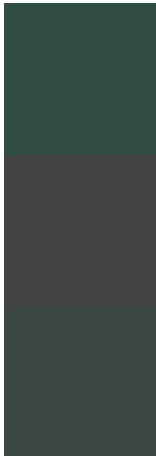
Original Color
30, 13.050, 171.167

Protanomaly
30, 5.749, 147.451

Deuteranomaly
30, 2.623, 152.070

Tritanomaly
30, 9.967, 197.929

Monochromacy



Original Color
30, 13.050, 171.167

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 4.786, 174.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 13.050, 171.167 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(48, 76, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 76, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 13.050, 171.167 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, 67) }
```

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

```
.border{ border-color:rgb(48, 76, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 76, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 76, 67);  
box-shadow:4px 4px 4px 4px rgb(48, 76, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 13.050, 171.167 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, 67) }
```

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

```
.background{ background-color: rgb(48, 76,  
67) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor