

Converting Colors

CIELCh(30, 16.225, 249.451)

Have a look what the booklet for
CIELCh(30, 16.225, 249.451)
contains.

CIELCh(30, 16.301, 250.755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 16.301, 250.755)

Conversions

Conversions Part 1

Format	Color
Hex	2A4A5E
RGB	42, 74, 94
RGB Percent	16%, 29%, 37%
CMY	0.8344, 0.7089, 0.6305
CMYK	0.55, 0.21, 0.00, 0.63
HSL	203°, 38%, 27%
HSV	203°, 55%, 37%
XYZ	5.4581, 6.2359, 11.5591
YIQ	66.7120, -25.4920, -0.5640

Conversions

Conversions Part 2

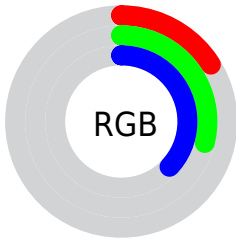
Format	Color
R_{YB}	42, 62, 94
Decimal	2771550
CIE Lab	30.00, -5.37, -15.39
CIE LCh	30, 16.301, 250.755
Yxy	6.2359, 0.2347, 0.2682
Android (android.graphics.Color)	4280961630 (0xFF2A4A5E)
YUV	66.7120, 13.4530, -21.6724
Hunter-Lab	24.9718, -4.6855, -9.9644




Details

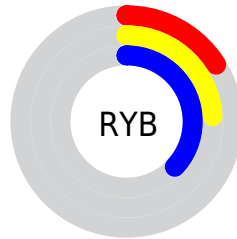
The CIELCh color **30, 16.301, 250.755** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 21.254, 57.408**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **50, 16.129, 248.660**, and **10, 15.444, 258.364** is the 20% darker color. If you saturate the color by 10%, you get **28, 18.754, 253.513**, and if you desaturate by 10%, it is **32, 13.670, 248.453**.

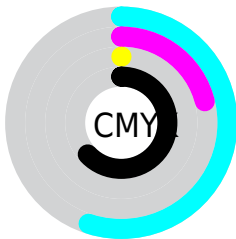
Distribution







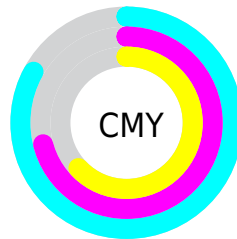
-  Red (16%)
-  Green (29%)
-  Blue (37%)






-  Red (16%)
-  Yellow (24%)
-  Blue (37%)



-  Cyan (55%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (83%)
-  Magenta (71%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 16.301, 250.755 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, 16.301, 250.755 by changing the saturation by 10% instead.


 30, 16.301,
250.755


 30, 16.301,
250.755

 100, 16.301,
250.755


 20, 16.301,
250.755


 50, 16.301,
250.755


 10, 16.301,
250.755

 60, 16.301,
250.755

 0, 16.301, 250.755

 70, 16.301,
250.755

 80, 16.301,
250.755

 90, 16.301,
250.755

■ 30, 16.301,
250.755

■ 30, 16.301,
250.755

■ 28, 18.754,
253.513

■ 32, 13.670,
248.453

■ 27, 21.035,
256.780

■ 33, 10.873,
246.546

■ 25, 23.173,
260.581

■ 35, 7.927, 244.973

■ 24, 25.254,
264.696

■ 37, 4.856, 243.683

■ 39, 1.681, 242.696

■ 23, 26.304,
266.504

■ 41, 1.574, 61.464

■ 43, 4.891, 60.815

■ 45, 8.251, 60.195

■ 47, 11.641, 59.658

Harmonies

Complementary

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



30, 16.301, 250.755



29, 21.254, 57.408

Rectangle

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



30, 16.301, 250.755



30, 16.301, 300.755



30, 16.301, 70.755



30, 16.301, 120.755

Sweetspot

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



30, 16.300, 250.754



47, 6.720, 243.961



36, 28.840, 152.735



23, 4.445, 244.106



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 16.300, 250.754



37, 23.368, 254.390



22, 30.799, 293.147



18, 1.770, 243.004



27, 29.642, 267.544



59, 54.763, 271.073

Inverse Universe

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



25, 29.443, 342.558



31, 42.165, 344.109



37, 27.607, 99.416



17, 2.950, 338.492



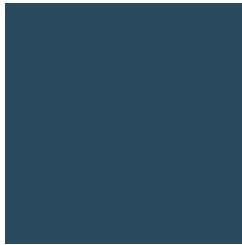
23, 47.680, 350.123



52, 83.063, 352.119

Previews

White Background



This preview shows how the CIE LCh color 30, 16.301, 250.755 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, 16.301, 250.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

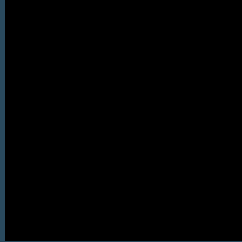
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

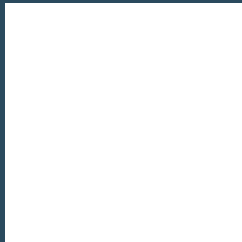
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 16.301, 250.755

Background



This preview shows how black text looks on a background with the CIELCh color 30, 16.301, 250.755.

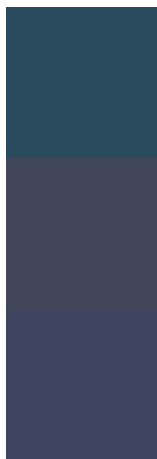


This preview shows how white text looks on a background with the CIELCh color 30, 16.301, 250.755.

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, 16.301, 250.755

Protanopia

30, 13.530, 284.464

Deuteranopia

30, 16.753, 285.577



Tritanopia
30, 13.959, 213.689

Trichromacy



Original Color
30, 16.301, 250.755

Protanomaly
30, 13.734, 268.613

Deuteranomaly
30, 16.177, 272.139

Tritanomaly
30, 13.903, 228.632

Monochromacy



Original Color
30, 16.301, 250.755

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 6.538, 242.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 16.301, 250.755 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(42, 74, 94)` looks like.

```
.text, #text, p{  
    color:rgb(42, 74, 94)  
}
```

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(42, 74, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 74, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 16.301, 250.755 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(42, 74, 94) }
```

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

```
.border{ border-color:rgb(42, 74, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 74, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 74, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 74, 94);  
box-shadow:4px 4px 4px 4px rgb(42, 74, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 16.301, 250.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 74, 94) }
```

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

```
.background{ background-color: rgb(42, 74,  
94) }
```

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