

Converting Colors

CIELCh(16, 11.604, 314.130)

Have a look what the booklet for
CIELCh(16, 11.604, 314.130)
contains.

CIELCh(16, 12.126, 314.427)	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(16, 12.126, 314.427)

Conversions

Conversions Part 1

Format	Color
Hex	2E2434
RGB	46, 36, 52
RGB Percent	18%, 14%, 20%
CMY	0.8192, 0.8585, 0.7957
CMYK	0.12, 0.31, 0.00, 0.80
HSL	278°, 18%, 17%
HSV	278°, 31%, 20%
XYZ	2.3868, 2.0993, 3.5399
YIQ	40.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

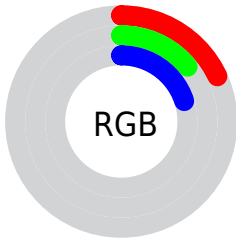
Format	Color
R_{YB}	46, 36, 52
Decimal	3023924
CIE _{Lab}	16.00, 8.49, -8.66
CIE _{LCh}	16, 12.126, 314.427
Yxy	2.0993, 0.2974, 0.2616
Android (android.graphics.Color)	4281214004 (0xFF2E2434)
YUV	40.8140, 5.5147, 4.5481
Hunter-Lab	14.4890, 4.0494, -4.3431




Details

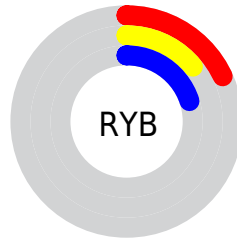
The CIELCh color **16, 12.126, 314.427** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 11.822, 132.148**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 11.536, 314.709**, and **0, 1.613, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 16.174, 314.809**, and if you desaturate by 10%, it is **18, 8.110, 314.046**.

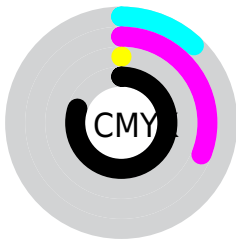
Distribution







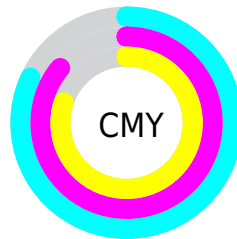
-  Red (18%)
-  Green (14%)
-  Blue (20%)






-  Red (18%)
-  Yellow (14%)
-  Blue (20%)



-  Cyan (12%)
-  Magenta (31%)
-  Yellow (0%)
-  Black (80%)





-  Cyan (82%)
-  Magenta (86%)
-  Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 12.126, 314.427 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 16, 12.126, 314.427 by changing the saturation by 10% instead.

 16, 12.126,
314.427


 16, 12.126,
314.427


 100, 12.126,
314.427


 6, 12.126, 314.427


 36, 12.126,
314.427

 0, 12.126, 314.427

 46, 12.126,
314.427


 56, 12.126,
314.427


 66, 12.126,
314.427


 76, 12.126,
314.427


 86, 12.126,

314.427


 96, 12.126,
314.427

 16, 12.126,
314.427

 16, 12.126,
314.427


 14, 16.174,
314.809

 18, 8.110, 314.046

 12, 20.212,
315.179

 20, 4.156, 313.672

 22, 0.279, 313.117


 11, 24.174,
315.517

 24, 3.510, 133.029

 9, 27.967, 315.794

 25, 7.207, 132.717

 8, 31.442, 315.959

 27, 10.811,
132.435

 6, 34.495, 315.868

■ 5, 37.192, 315.650

■ 29, 14.324,
132.179

■ 31, 17.747,
131.946

■ 33, 21.084,
131.736

Harmonies

Complementary

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



16, 12.126, 314.427



20, 11.822, 132.148

Rectangle

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



16, 12.126, 314.427



16, 12.126, 4.427



16, 12.126, 134.427



16, 12.126, 184.427

Sweetspot

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



16, 12.125, 314.427



27, 4.402, 313.626



17, 7.265, 270.857



13, 3.091, 313.646



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



16, 12.125, 314.427



21, 18.548, 314.744



17, 12.274, 329.300



8, 2.098, 313.579



13, 56.194, 315.874



38, 107.573, 314.996

Inverse Universe

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



16, 8.828, 353.613



21, 13.519, 354.517



20, 12.253, 145.972



8, 1.516, 351.528



17, 39.321, 9.838



46, 75.559, 14.720

Previews

White Background



This preview shows how the CIELCh color 16, 12.126, 314.427 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



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 16, 12.126, 314.427

Background



This preview shows how black text looks on a background with the CIELCh color 16, 12.126, 314.427.



This preview shows how white text looks on a background with the CIELCh color 16, 12.126, 314.427.

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

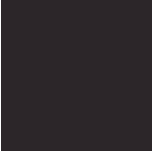
16, 12.126, 314.427

Protanopia

16, 11.294, 284.805

Deuteranopia

16, 8.423, 289.459



Tritanopia
16, 3.596, 344.539

Trichromacy



Original Color
16, 12.126, 314.427

Protanomaly
16, 11.265, 295.267

Deuteranomaly
16, 9.257, 300.738

Tritanomaly
16, 6.785, 325.219

Monochromacy



Original Color
16, 12.126, 314.427

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 4.623, 315.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 12.126, 314.427 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(46, 36, 52)` looks like.

```
.text, #text, p{  
  color:rgb(46, 36, 52)  
}
```

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(46, 36, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 36, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 12.126, 314.427 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(46, 36, 52) }
```

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

```
.border{ border-color:rgb(46, 36, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 36, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 36, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 36, 52);  
box-shadow:4px 4px 4px 4px rgb(46, 36, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 12.126, 314.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 36, 52) }
```

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

```
.background{ background-color: rgb(46, 36,  
52) }
```

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