

Converting Colors

CIELCh(13, 14.065, 267.457)

Have a look what the booklet for
CIELCh(13, 14.065, 267.457)
contains.

CIELCh(13, 14.012, 267.099)	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(13, 14.012, 267.099)

Conversions

Conversions Part 1

Format	Color
Hex	112335
RGB	17, 35, 53
RGB Percent	7%, 14%, 21%
CMY	0.9342, 0.8635, 0.7930
CMYK	0.68, 0.34, 0.00, 0.79
HSL	210°, 52%, 14%
HSV	210°, 68%, 21%
XYZ	1.4600, 1.5625, 3.5669
YIQ	31.6700, -16.5060, 1.7820

Conversions

Conversions Part 2

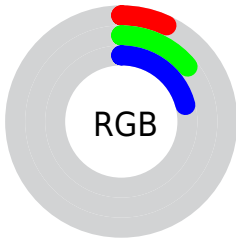
Format	Color
RYB	17, 29, 53
Decimal	1123125
CIELab	13.00, -0.71, -13.99
CIElCh	13, 14.012, 267.099
Yxy	1.5625, 0.2216, 0.2371
Android (android.graphics.Color)	4279313205 (0xFF112335)
YUV	31.6700, 10.5157, -12.8656
Hunter-Lab	12.5000, -1.0265, -8.1684




Details

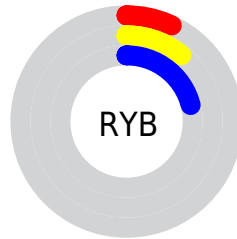
The CIELCh color **13, 14.012, 267.099** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 16.418, 67.912**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 14.244, 268.111**, and **0, 2.016, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 15.949, 269.964**, and if you desaturate by 10%, it is **14, 12.048, 264.586**.

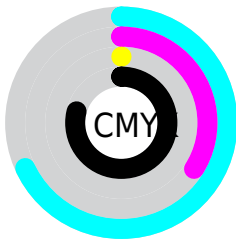
Distribution







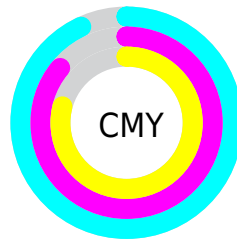
-  Red (7%)
-  Green (14%)
-  Blue (21%)






-  Red (7%)
-  Yellow (11%)
-  Blue (21%)



-  Cyan (68%)
-  Magenta (34%)
-  Yellow (0%)
-  Black (79%)



-  Cyan (93%)
-  Magenta (86%)
-  Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 14.012, 267.099 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 13, 14.012, 267.099 by changing the saturation by 10% instead.

■ 13, 14.012,
267.099

■ 13, 14.012,
267.099

■ 100, 14.012,
267.099

■ 3, 14.012, 267.099

■ 33, 14.012,
267.099

■ 0, 14.012, 267.099

■ 43, 14.012,
267.099


■ 53, 14.012,
267.099


■ 63, 14.012,
267.099


■ 73, 14.012,
267.099


■ 83, 14.012,


267.099


 93, 14.012,
267.099


 13, 14.012,
267.099

 13, 14.012,
267.099

 12, 15.949,
269.964

 14, 12.048,
264.586

 11, 17.900,
272.905

 16, 10.051,
262.402

 9, 19.947, 275.242

 17, 8.020, 260.515

 9, 20.322, 275.603

 18, 5.956, 258.889

 20, 3.864, 257.494

 21, 1.751, 256.320

■ 22, 0.377, 74.792

■ 24, 2.515, 74.194

■ 25, 4.658, 73.410

Harmonies

Complementary

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



13, 14.012, 267.099



15, 16.418, 67.912

Rectangle

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



13, 14.012, 267.099



13, 14.012, 317.099



13, 14.012, 87.099



13, 14.012, 137.099

Sweetspot

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



13, 14.012, 267.099



26, 5.293, 257.864



19, 19.947, 156.434



12, 3.646, 257.970



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



13, 14.012, 267.099



16, 20.779, 272.512



7, 26.566, 298.259



8, 1.143, 256.314



18, 31.239, 280.343



47, 64.485, 284.528

Inverse Universe

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



11, 20.774, 350.193



14, 29.450, 353.288



21, 22.651, 104.039



8, 1.643, 344.124



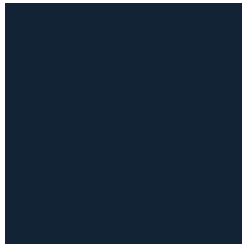
17, 39.702, 358.657



47, 74.910, 2.446

Previews

White Background



This preview shows how the CIELCh color 13, 14.012, 267.099 looks on a white background.

Color Contrast Check

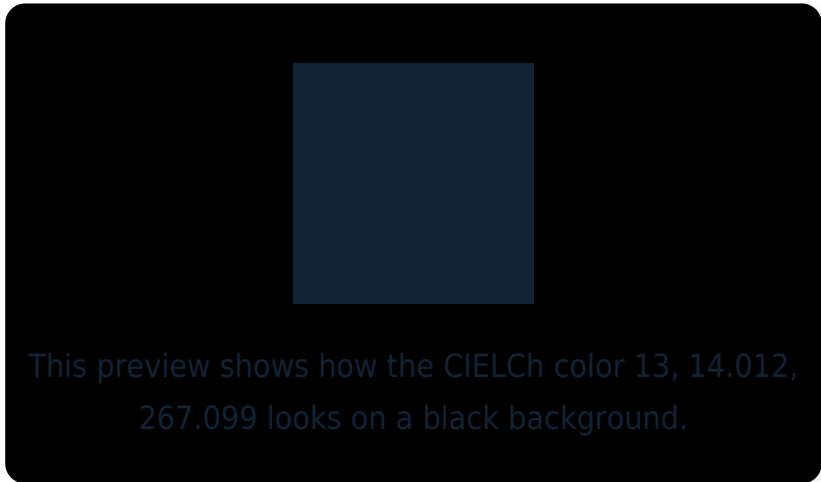
Large Text (above 18pt) WCAG AA ✓ Pass

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

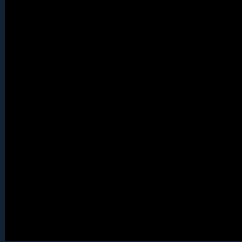
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

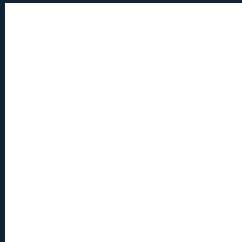
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 13, 14.012, 267.099

Background



This preview shows how black text looks on a background with the CIELCh color 13, 14.012, 267.099.



This preview shows how white text looks on a background with the CIELCh color 13, 14.012, 267.099.

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


13, 14.012, 267.099

Protanopia

13, 13.052, 283.471

Deuteranopia

13, 14.026, 277.094



Tritanopia
13, 10.792, 208.743

Trichromacy



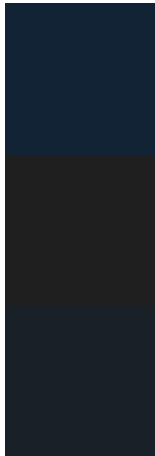
Original Color
13, 14.012, 267.099

Protanomaly
13, 13.362, 275.817

Deuteranomaly
13, 14.193, 274.572

Tritanomaly
13, 10.754, 235.220

Monochromacy



Original Color
13, 14.012, 267.099

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 5.653, 263.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 14.012, 267.099 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(17, 35, 53)` looks like.

```
.text, #text, p{  
    color:rgb(17, 35, 53)  
}
```

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(17, 35, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 35, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 14.012, 267.099 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(17, 35, 53) }
```

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

```
.border{ border-color:rgb(17, 35, 53) }
```

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

Here you see how a box with a 4 pixel rgb(17, 35, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 35, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 35, 53);  
box-shadow:4px 4px 4px 4px rgb(17, 35, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 14.012, 267.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 35, 53) }
```

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

```
.background{ background-color: rgb(17, 35,  
53) }
```

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