

Converting Colors

CIELCh(14, 33.228, 295.337)

Have a look what the booklet for
CIELCh(14, 33.228, 295.337)
contains.

CIELCh(14, 33.228, 295.337)	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(14, 33.228, 295.337)

Conversions

Conversions Part 1

Format	Color
Hex	181F4E
RGB	24, 31, 78
RGB Percent	9%, 12%, 31%
CMY	0.9055, 0.8782, 0.6938
CMYK	0.69, 0.60, 0.00, 0.69
HSL	232°, 53%, 20%
HSV	232°, 69%, 31%
XYZ	2.2483, 1.7298, 7.4375
YIQ	34.2650, -19.2590, 13.1330

Conversions

Conversions Part 2

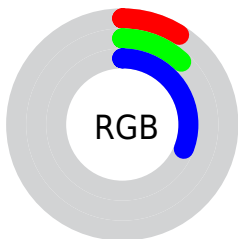
Format	Color
R_{YB}	24, 30, 78
Decimal	1580878
CIE Lab	14.00, 14.22, -30.03
CIE LCh	14, 33.228, 295.337
Yxy	1.7298, 0.1970, 0.1515
Android (android.graphics.Color)	4279770958 (0xFF181F4E)
YUV	34.2650, 21.5614, -9.0024
Hunter-Lab	13.1521, 7.4979, -24.3219

Details

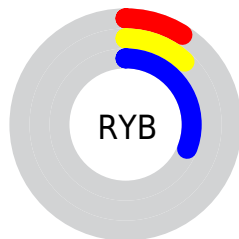
The CIELCh color **14, 33.228, 295.337** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 28.739, 97.460**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 33.201, 294.968**, and **1, 18.521, 289.455** is the 20% darker color. If you saturate the color by 10%, you get **11, 38.605, 297.736**, and if you desaturate by 10%, it is **17, 27.944, 293.103**.

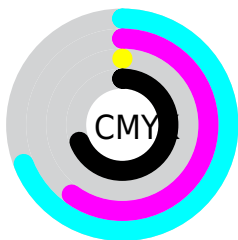
Distribution



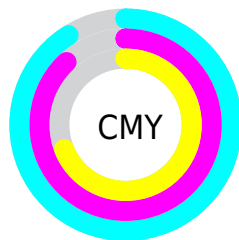
- Red (9%)
- Green (12%)
- Blue (31%)



- Red (9%)
- Yellow (12%)
- Blue (31%)



- Cyan (69%)
- Magenta (60%)
- Yellow (0%)
- Black (69%)



- Cyan (91%)
- Magenta (88%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 33.228, 295.337 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 14, 33.228, 295.337 by changing the saturation by 10% instead.

■ 14, 33.228,
295.337

■ 14, 33.228,
295.337

■ 100, 33.228,
295.337

■ 4, 33.228, 295.337

■ 34, 33.228,
295.337

■ 0, 33.228, 295.337

■ 44, 33.228,
295.337

■ 54, 33.228,
295.337

■ 64, 33.228,
295.337

■ 74, 33.228,
295.337

■ 84, 33.228,

295.337

■ 94, 33.228,
295.337

■ 14, 33.228,
295.337

■ 14, 33.228,
295.337

■ 11, 38.605,
297.736

■ 17, 27.944,
293.103

■ 9, 43.912, 300.161

■ 19, 22.820,
291.092

■ 7, 48.797, 301.999

■ 22, 17.869,
289.319

■ 7, 49.150, 302.092

■ 25, 13.087,
287.775

■ 28, 8.462, 286.438

■ 31, 3.983, 285.285

■ 33, 0.361, 104.093

■ 36, 4.578, 103.374

■ 39, 8.676, 102.614

Harmonies

Complementary

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



14, 33.228, 295.337



30, 28.739, 97.460

Rectangle

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



14, 33.228, 295.337



14, 33.228, 345.337



14, 33.228, 115.337



14, 33.228, 165.337

Sweetspot

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



14, 33.228, 295.338



36, 11.625, 286.771



30, 19.580, 182.800



16, 7.786, 286.947



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



14, 33.228, 295.338



15, 50.887, 299.430



14, 38.116, 308.492



14, 2.387, 285.231



11, 61.195, 303.168



31, 116.444, 304.629

Inverse Universe

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



17, 27.510, 18.893



21, 40.895, 24.443



30, 33.458, 121.321



14, 1.937, 9.377



19, 47.847, 30.533



48, 90.618, 34.930

Previews

White Background



This preview shows how the CIE LCh color 14, 33.228, 295.337 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 14, 33.228, 295.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

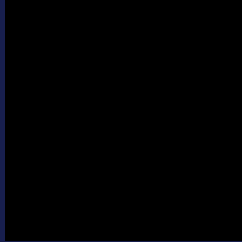
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 33.228, 295.337

Background



This preview shows how black text looks on a background with the CIELCh color 14, 33.228, 295.337.



This preview shows how white text looks on a background with the CIELCh color 14, 33.228, 295.337.

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

14, 33.228, 295.337

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 20.142, 266.939



Tritanopia
14, 13.451, 205.872

Trichromacy



Original Color
14, 33.228, 295.337

Protanomaly
14, 29.308, 286.185

Deuteranomaly
14, 23.992, 280.113

Tritanomaly
14, 15.538, 260.225

Monochromacy



Original Color
14, 33.228, 295.337

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 12.223, 287.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 33.228, 295.337 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(24, 31, 78)` looks like.

```
.text, #text, p{  
    color:rgb(24, 31, 78)  
}
```

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(24, 31, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 31, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 33.228, 295.337 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(24, 31, 78) }
```

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

```
.border{ border-color:rgb(24, 31, 78) }
```

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

Here you see how a box with a 4 pixel rgb(24, 31, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 31, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 31, 78);  
box-shadow:4px 4px 4px 4px rgb(24, 31, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 33.228, 295.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 31, 78) }
```

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

```
.background{ background-color: rgb(24, 31,  
78) }
```

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