

Converting Colors

CIELCh(14, 30.893, 316.259)

Have a look what the booklet for
CIELCh(14, 30.893, 316.259)
contains.

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Color

CIELCh(14, 30.837, 316.237)

Conversions

Conversions Part 1

Format	Color
Hex	331842
RGB	51, 24, 66
RGB Percent	20%, 9%, 26%
CMY	0.8011, 0.9069, 0.7423
CMYK	0.23, 0.64, 0.00, 0.74
HSL	279°, 47%, 18%
HSV	279°, 64%, 26%
XYZ	2.6483, 1.7298, 5.3063
YIQ	36.8610, 2.6100, 18.7860

Conversions

Conversions Part 2

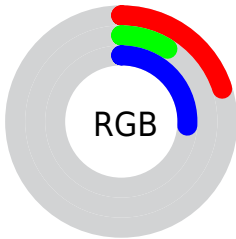
Format	Color
R_YB	51, 24, 66
Decimal	3348546
CIE Lab	14.00, 22.27, -21.33
CIE LCh	14, 30.837, 316.237
Yxy	1.7298, 0.2735, 0.1786
Android (android.graphics.Color)	4281538626 (0xFF331842)
YUV	36.8610, 14.3655, 12.3999
Hunter-Lab	13.1521, 12.9262, -14.7144

Details

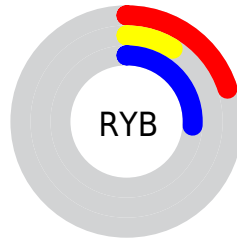
The CIELCh color **14, 30.837, 316.237** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 29.287, 131.215**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 30.323, 316.281**, and **1, 10.257, 288.629** is the 20% darker color. If you saturate the color by 10%, you get **12, 35.209, 316.457**, and if you desaturate by 10%, it is **16, 26.142, 315.928**.

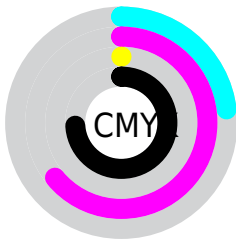
Distribution



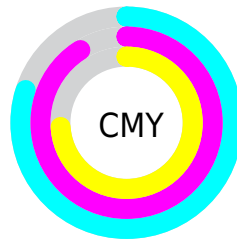
- Red (20%)
- Green (9%)
- Blue (26%)



- Red (20%)
- Yellow (9%)
- Blue (26%)



- Cyan (23%)
- Magenta (64%)
- Yellow (0%)
- Black (74%)



- Cyan (80%)
- Magenta (91%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 30.837, 316.237 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, 30.837, 316.237 by changing the saturation by 10% instead.

■ 14, 30.837,
316.237

■ 14, 30.837,
316.237

■ 100, 30.837,
316.237

■ 4, 30.837, 316.237

■ 34, 30.837,
316.237

■ 0, 30.837, 316.237

■ 44, 30.837,
316.237


■ 54, 30.837,
316.237


■ 64, 30.837,
316.237


■ 74, 30.837,
316.237


■ 84, 30.837,


316.237


 94, 30.837,
316.237


 14, 30.837,
316.237


 14, 30.837,
316.237


 12, 35.209,
316.457

 16, 26.142,
315.928


 11, 39.069,
316.540

 18, 21.278,
315.565

 9, 42.788, 316.636

 20, 16.352,
315.177

 8, 45.414, 316.838

 22, 11.438,
314.781

 25, 6.584, 314.390

■ 27, 1.819, 313.990

■ 29, 2.840, 133.708

■ 32, 7.385, 133.367

■ 34, 11.812,
133.064

Harmonies

Complementary

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



14, 30.837, 316.237



25, 29.287, 131.215

Rectangle

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



14, 30.837, 316.237



14, 30.837, 6.237



14, 30.837, 136.237



14, 30.837, 186.237

Sweetspot

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



14, 30.836, 316.237



31, 11.423, 314.623



16, 19.060, 279.408



14, 7.746, 314.672



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



14, 30.836, 316.237



17, 45.576, 316.530



16, 29.383, 331.710



12, 2.646, 314.183



15, 59.350, 316.258



40, 110.032, 315.488

Inverse Universe

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



15, 22.182, 359.795



19, 32.487, 3.612



24, 29.698, 143.206



12, 1.885, 352.731



19, 41.778, 12.063



48, 78.018, 16.550

Previews

White Background



This preview shows how the CIELCh color 14, 30.837, 316.237 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 14, 30.837, 316.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

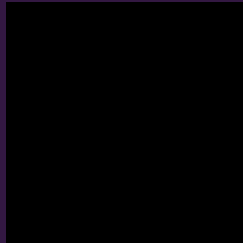
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 30.837, 316.237

Background



This preview shows how black text looks on a background with the CIELCh color 14, 30.837, 316.237.



This preview shows how white text looks on a background with the CIELCh color 14, 30.837, 316.237.

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, 30.837, 316.237

Protanopia

14, 28.836, 282.392

Deuteranopia

14, 19.208, 274.589



Tritanopia
14, 6.731, 9.163

Trichromacy



Original Color
14, 30.837, 316.237

Protanomaly
13, 29.311, 291.086

Deuteranomaly
14, 22.831, 292.942

Tritanomaly
14, 14.014, 329.429

Monochromacy



Original Color
14, 30.837, 316.237

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 11.652, 315.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 30.837, 316.237 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(51, 24, 66)` looks like.

```
.text, #text, p{  
    color:rgb(51, 24, 66)  
}
```

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(51, 24, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 24, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 30.837, 316.237 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(51, 24, 66) }
```

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

```
.border{ border-color:rgb(51, 24, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 24, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 24, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 24, 66);  
box-shadow:4px 4px 4px 4px rgb(51, 24, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 30.837, 316.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 24, 66) }
```

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

```
.background{ background-color: rgb(51, 24,  
66) }
```

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](#).

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