

Converting Colors

CIELCh(14, 57.845, 312.109)

Have a look what the booklet for
CIELCh(14, 57.845, 312.109)
contains.

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Color

CIELCh(14, 57.803, 312.245)

Conversions

Conversions Part 1

Format	Color
Hex	330761
RGB	51, 7, 97
RGB Percent	20%, 3%, 38%
CMY	0.7993, 0.9719, 0.6190
CMYK	0.47, 0.93, 0.00, 0.62
HSL	269°, 86%, 20%
HSV	269°, 93%, 38%
XYZ	3.6165, 1.7298, 11.4911
YIQ	30.4160, -2.6660, 37.3180

Conversions

Conversions Part 2

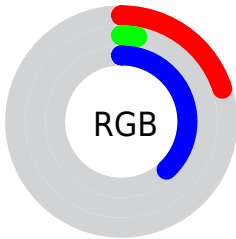
Format	Color
R_{YB}	51, 7, 97
Decimal	3344225
CIE _{Lab}	14.00, 38.86, -42.79
CIE _{LCh}	14, 57.803, 312.245
Yxy	1.7298, 0.2148, 0.1027
Android (android.graphics.Color)	4281534305 (0xFF330761)
YUV	30.4160, 32.8259, 18.0522
Hunter-Lab	13.1521, 26.0665, -42.5959

Details

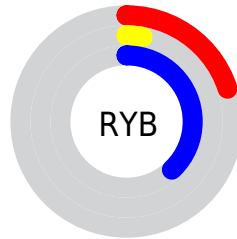
The CIELCh color **14, 57.803, 312.245** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 50.647, 126.429**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 58.003, 312.094**, and **2, 32.074, 296.031** is the 20% darker color. If you saturate the color by 10%, you get **12, 61.282, 312.350**, and if you desaturate by 10%, it is **16, 53.262, 312.273**.

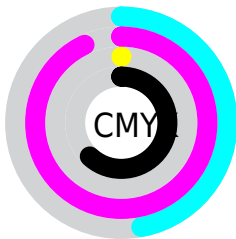
Distribution



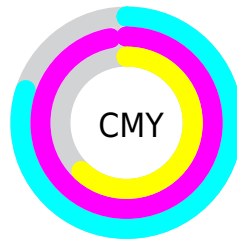
- Red (20%)
- Green (3%)
- Blue (38%)



- Red (20%)
- Yellow (3%)
- Blue (38%)



- Cyan (47%)
- Magenta (93%)
- Yellow (0%)
- Black (62%)




- Cyan (80%)
- Magenta (97%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 57.803, 312.245 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, 57.803, 312.245 by changing the saturation by 10% instead.

 14, 57.803,
312.245

 14, 57.803,
312.245


 100, 57.803,
312.245

 4, 57.803, 312.245


 34, 57.803,
312.245

 0, 57.803, 312.245

 44, 57.803,
312.245

 54, 57.803,
312.245


 64, 57.803,
312.245


 74, 57.803,
312.245


 84, 57.803,


312.245


 94, 57.803,
312.245


 14, 57.803,
312.245


 14, 57.803,
312.245

 12, 61.282,
312.350

 16, 53.262,
312.273

 18, 47.699,
312.067

 21, 41.429,
311.689

 24, 34.787,
311.216

 27, 28.003,
310.702

■ 31, 21.227,
310.183

■ 34, 14.547,
309.682

■ 37, 8.011, 309.210

■ 40, 1.645, 308.747

Harmonies

Complementary

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



14, 57.803, 312.245



37, 50.647, 126.429

Rectangle

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



14, 57.803, 312.245



14, 57.803, 2.245



14, 57.803, 132.245



14, 57.803, 182.245

Sweetspot

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



14, 57.803, 312.246



42, 22.687, 309.992



22, 30.112, 276.504



19, 15.580, 310.146



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



14, 57.803, 312.246



18, 74.569, 312.003



22, 55.113, 327.525



18, 3.535, 309.041



15, 67.950, 312.156



38, 119.573, 311.464

Inverse Universe

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



20, 40.720, 356.264



27, 50.959, 359.544



35, 56.684, 136.467



18, 2.873, 343.688



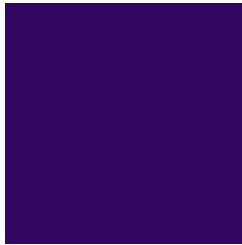
23, 46.576, 358.956



52, 80.910, 1.712

Previews

White Background



This preview shows how the CIE LCh color 14, 57.803, 312.245 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, 57.803, 312.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

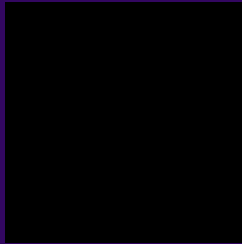
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 57.803, 312.245

Background



This preview shows how black text looks on a background with the CIELCh color 14, 57.803, 312.245.



This preview shows how white text looks on a background with the CIELCh color 14, 57.803, 312.245.

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, 57.803, 312.245

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 21.329, 268.264



Tritanopia
15, 2.162, 278.208

Trichromacy



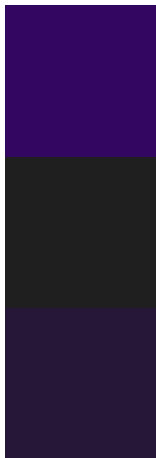
Original Color
14, 57.803, 312.245

Protanomaly
13, 41.757, 298.524

Deuteranomaly
12, 36.398, 296.613

Tritanomaly
13, 24.928, 309.706

Monochromacy



Original Color
14, 57.803, 312.245

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 24.710, 311.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 57.803, 312.245 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, 7, 97)` looks like.

```
.text, #text, p{  
    color:rgb(51, 7, 97)  
}
```

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, 7, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 7, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 57.803, 312.245 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, 7, 97) }
```

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

```
.border{ border-color:rgb(51, 7, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 7, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 7, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 7, 97); box-shadow:4px  
4px 4px 4px rgb(51, 7, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 57.803, 312.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 7, 97) }
```

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

```
.background{ background-color: rgb(51, 7,  
97) }
```

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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