

Converting Colors

CIELCh(14, 56.198, 310.949)

Have a look what the booklet for
CIELCh(14, 56.198, 310.949)
contains.

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Color

CIELCh(14, 56.463, 310.877)

Conversions

Conversions Part 1

Format	Color
Hex	300B61
RGB	48, 11, 97
RGB Percent	19%, 4%, 38%
CMY	0.8118, 0.9569, 0.6197
CMYK	0.51, 0.89, 0.00, 0.62
HSL	266°, 80%, 21%
HSV	266°, 89%, 38%
XYZ	3.4947, 1.7298, 11.4556
YIQ	31.8670, -5.5540, 34.5900

Conversions

Conversions Part 2

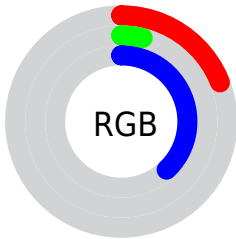
Format	Color
RYB	48, 11, 97
Decimal	3148641
CIELab	14.00, 36.95, -42.69
CIELCh	14, 56.463, 310.877
Yxy	1.7298, 0.2095, 0.1037
Android (android.graphics.Color)	4281338721 (0xFF300B61)
YUV	31.8670, 32.1106, 14.1486
Hunter-Lab	13.1521, 24.4134, -42.4356

Details

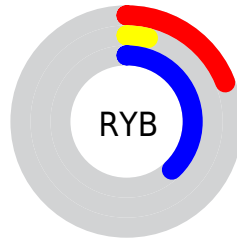
The CIELCh color **14, 56.463, 310.877** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 48.461, 124.088**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 56.714, 310.744**, and **2, 32.074, 296.031** is the 20% darker color. If you saturate the color by 10%, you get **12, 61.231, 311.059**, and if you desaturate by 10%, it is **16, 51.308, 310.701**.

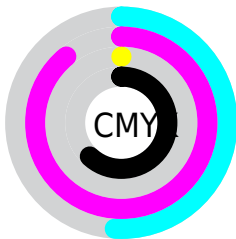
Distribution



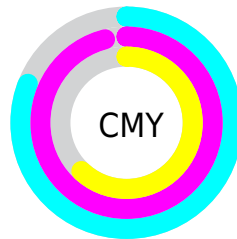
- Red (19%)
- Green (4%)
- Blue (38%)



- Red (19%)
- Yellow (4%)
- Blue (38%)



- Cyan (51%)
- Magenta (89%)
- Yellow (0%)
- Black (62%)



- Cyan (81%)
- Magenta (96%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 56.463, 310.877 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, 56.463, 310.877 by changing the saturation by 10% instead.

■ 14, 56.463,
310.877

■ 14, 56.463,
310.877

■ 100, 56.463,
310.877

■ 4, 56.463, 310.877

■ 34, 56.463,
310.877

■ 0, 56.463, 310.877

■ 44, 56.463,
310.877

■ 54, 56.463,
310.877


■ 64, 56.463,
310.877


■ 74, 56.463,
310.877


■ 84, 56.463,


310.877


 94, 56.463,
310.877

 14, 56.463,
310.877

 14, 56.463,
310.877


 12, 61.231,
311.059


 16, 51.308,
310.701

 12, 61.934,
311.119

 19, 45.245,
310.298

 22, 38.679,
309.767

 25, 31.903,
309.180

 28, 25.101,
308.585

■ 32, 18.384,
308.010

■ 35, 11.810,
307.471

■ 38, 5.409, 306.973

■ 42, 0.807, 126.609

Harmonies

Complementary

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



14, 56.463, 310.877



37, 48.461, 124.088

Rectangle

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



14, 56.463, 310.877



14, 56.463, 0.877



14, 56.463, 130.877



14, 56.463, 180.877

Sweetspot

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



14, 56.463, 310.878



41, 21.296, 307.960



25, 25.730, 266.670



19, 14.505, 308.085



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, 56.463, 310.878



17, 74.374, 310.797



21, 54.059, 325.182



18, 3.495, 306.983



14, 68.772, 310.925



36, 121.088, 310.250

Inverse Universe

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



20, 40.930, 350.714



26, 51.170, 354.305



35, 54.915, 136.047



18, 2.992, 340.669



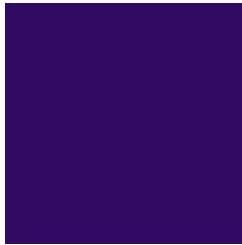
23, 47.470, 353.892



52, 82.171, 356.186

Previews

White Background



This preview shows how the CIELCh color 14, 56.463, 310.877 looks on a white background.

Color Contrast Check

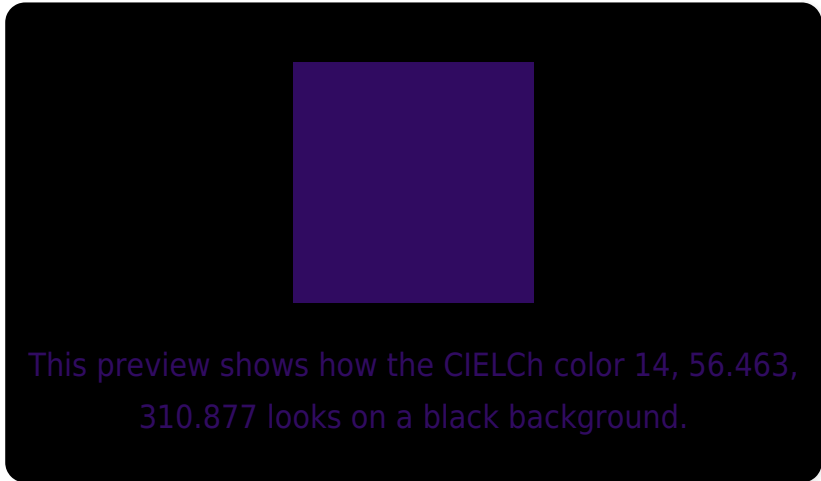
Large Text (above 18pt) WCAG AA ✓ Pass

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 14, 56.463, 310.877

Background



This preview shows how black text looks on a background with the CIELCh color 14, 56.463, 310.877.



This preview shows how white text looks on a background with the CIELCh color 14, 56.463, 310.877.

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

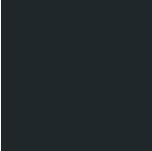
14, 56.463, 310.877

Protanopia

14, 29.424, 282.516

Deuteranopia

15, 20.760, 266.912



Tritanopia
15, 3.766, 233.220

Trichromacy



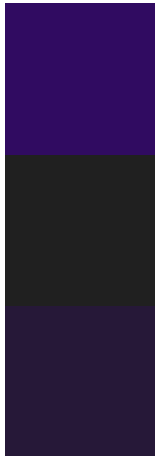
Original Color
14, 56.463, 310.877

Protanomaly
13, 40.404, 297.274

Deuteranomaly
13, 34.239, 294.213

Tritanomaly
13, 23.849, 304.438

Monochromacy



Original Color
14, 56.463, 310.877

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 23.788, 309.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 56.463, 310.877 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(48, 11, 97)` looks like.

```
.text, #text, p{  
    color:rgb(48, 11, 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(48, 11, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 11, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 56.463, 310.877 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(48, 11, 97) }
```

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

```
.border{ border-color:rgb(48, 11, 97) }
```

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

Here you see how a box with a 4 pixel rgb(48, 11, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 11, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 11, 97);  
box-shadow:4px 4px 4px 4px rgb(48, 11, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 56.463, 310.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 11, 97) }
```

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

```
.background{ background-color: rgb(48, 11,  
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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