

Converting Colors

CIELCh(14, 49.339, 310.216)

Have a look what the booklet for
CIELCh(14, 49.339, 310.216)
contains.

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Color

CIELCh(14, 49.085, 310.405)

Conversions

Conversions Part 1

Format	Color
Hex	2F1159
RGB	47, 17, 89
RGB Percent	18%, 7%, 35%
CMY	0.8155, 0.9332, 0.6508
CMYK	0.47, 0.81, 0.00, 0.65
HSL	265°, 68%, 21%
HSV	265°, 81%, 35%
XYZ	3.1808, 1.7298, 9.6277
YIQ	34.1780, -5.2320, 28.7520

Conversions

Conversions Part 2

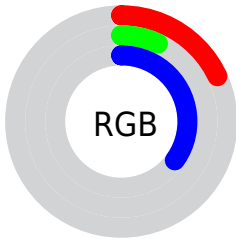
Format	Color
R_{YB}	47, 17, 89
Decimal	3084633
CIE _{Lab}	14.00, 31.82, -37.38
CIE _{LCh}	14, 49.085, 310.405
Yxy	1.7298, 0.2188, 0.1190
Android (android.graphics.Color)	4281274713 (0xFF2F1159)
YUV	34.1780, 27.0272, 11.2449
Hunter-Lab	13.1521, 20.1530, -34.1957

Details

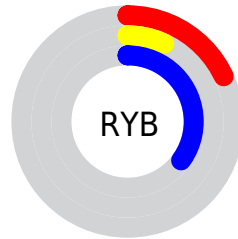
The CIELCh color **14, 49.085, 310.405** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 42.545, 123.282**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 49.051, 310.408**, and **2, 26.506, 293.598** is the 20% darker color. If you saturate the color by 10%, you get **12, 53.848, 310.594**, and if you desaturate by 10%, it is **16, 43.484, 310.000**.

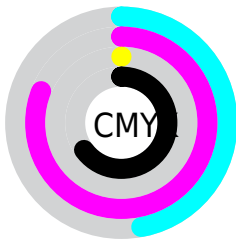
Distribution



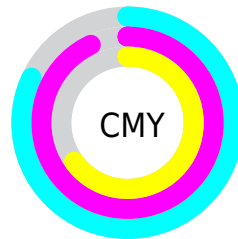
- Red (18%)
- Green (7%)
- Blue (35%)



- Red (18%)
- Yellow (7%)
- Blue (35%)



- Cyan (47%)
- Magenta (81%)
- Yellow (0%)
- Black (65%)



- Cyan (82%)
- Magenta (93%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 49.085, 310.405 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, 49.085, 310.405 by changing the saturation by 10% instead.

■ 14, 49.085,
310.405

■ 14, 49.085,
310.405

■ 100, 49.085,
310.405

■ 4, 49.085, 310.405

■ 34, 49.085,
310.405

■ 0, 49.085, 310.405

■ 44, 49.085,
310.405

■ 54, 49.085,
310.405


■ 64, 49.085,
310.405


■ 74, 49.085,
310.405


■ 84, 49.085,


310.405


 94, 49.085,
310.405

 14, 49.085,
310.405


 14, 49.085,
310.405


 12, 53.848,
310.594


 16, 43.484,
310.000

 10, 58.446,
310.981

 19, 37.386,
309.460

 22, 31.072,
308.860

 25, 24.723,
308.250

 28, 18.446,
307.659

■ 31, 12.300,
307.106

■ 34, 6.313, 306.595

■ 38, 0.497, 306.045

■ 41, 5.144, 125.746

Harmonies

Complementary

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



14, 49.085, 310.405



34, 42.545, 123.282

Rectangle

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



14, 49.085, 310.405



14, 49.085, 0.405



14, 49.085, 130.405



14, 49.085, 180.405

Sweetspot

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



14, 49.085, 310.406



39, 17.537, 307.316



24, 22.259, 263.133



18, 12.182, 307.446



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



14, 49.085, 310.406



15, 68.549, 310.572



20, 48.185, 325.140



16, 3.172, 306.492



13, 66.681, 310.722



35, 119.456, 310.008

Inverse Universe

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



19, 36.963, 347.981



24, 47.994, 352.144



33, 48.647, 136.531



16, 2.748, 339.991



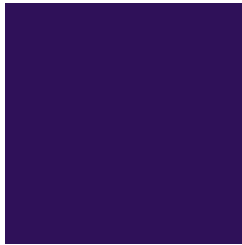
22, 46.229, 352.591



51, 81.269, 354.913

Previews

White Background



This preview shows how the CIE LCh color 14, 49.085, 310.405 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, 49.085, 310.405 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, 49.085, 310.405

Background



This preview shows how black text looks on a background with the CIELCh color 14, 49.085, 310.405.



This preview shows how white text looks on a background with the CIELCh color 14, 49.085, 310.405.

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

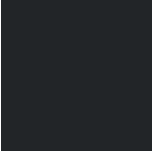
14, 49.085, 310.405

Protanopia

14, 28.137, 281.107

Deuteranopia

14, 20.736, 267.623



Tritanopia
14, 2.522, 257.038

Trichromacy



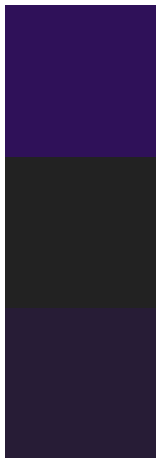
Original Color
14, 49.085, 310.405

Protanomaly
13, 36.244, 295.013

Deuteranomaly
13, 31.451, 292.408

Tritanomaly
14, 20.370, 305.490

Monochromacy



Original Color
14, 49.085, 310.405

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 19.279, 308.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 49.085, 310.405 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(47, 17, 89)` looks like.

```
.text, #text, p{  
    color:rgb(47, 17, 89)  
}
```

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(47, 17, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 17, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 49.085, 310.405 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(47, 17, 89) }
```

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

```
.border{ border-color:rgb(47, 17, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 17, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 17, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 17, 89);  
box-shadow:4px 4px 4px 4px rgb(47, 17, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 49.085, 310.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 17, 89) }
```

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

```
.background{ background-color: rgb(47, 17,  
89) }
```

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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