

Converting Colors

CIELCh(15, 50.270, 300.332)

Have a look what the booklet for
CIELCh(15, 50.270, 300.332)
contains.

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Color

CIELCh(15, 49.720, 300.068)

Conversions

Conversions Part 1	
Format	Color
Hex	161C64
RGB	22, 28, 100
RGB Percent	9%, 11%, 39%
CMY	0.9147, 0.8907, 0.6085
CMYK	0.78, 0.72, 0.00, 0.61
HSL	235°, 64%, 24%
HSV	235°, 78%, 39%
XYZ	3.0295, 1.9086, 12.2222
YIQ	34.4140, -26.6880, 21.1200

Conversions

Conversions Part 2

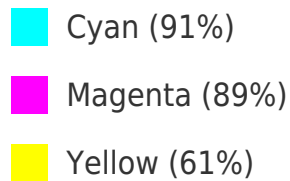
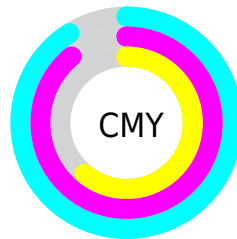
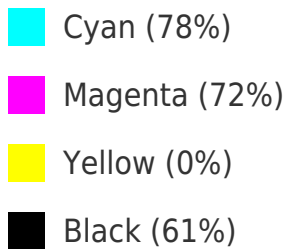
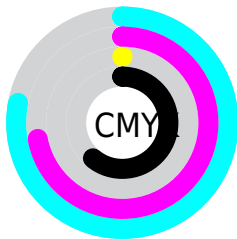
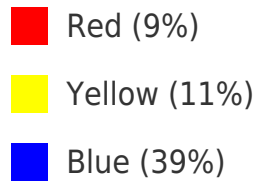
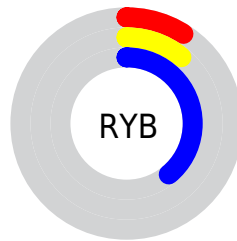
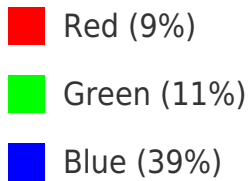
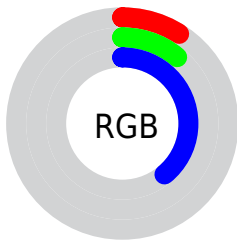
Format	Color
RYB	22, 28, 100
Decimal	1449060
CIELab	15.00, 24.91, -43.03
CIELCh	15, 49.720, 300.068
Yxy	1.9086, 0.1765, 0.1112
Android (android.graphics.Color)	4279639140 (0xFF161C64)
YUV	34.4140, 32.3339, -10.8871
Hunter-Lab	13.8151, 14.9670, -42.7829

Details

The CIELCh color **15, 49.720, 300.068** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 40.077, 99.477**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 49.717, 299.930**, and **3, 33.558, 296.429** is the 20% darker color. If you saturate the color by 10%, you get **12, 56.272, 302.328**, and if you desaturate by 10%, it is **18, 42.804, 297.735**.


Distribution




Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 49.720, 300.068 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 15, 49.720, 300.068 by changing the saturation by 10% instead.

 15, 49.720,
300.068


 15, 49.720,
300.068

 100, 49.720,
300.068

 5, 49.720, 300.068


 35, 49.720,
300.068

 0, 49.720, 300.068

 45, 49.720,
300.068


 55, 49.720,
300.068

 65, 49.720,
300.068


 75, 49.720,
300.068


 85, 49.720,


300.068


 95, 49.720,
300.068


 15, 49.720,
300.068


 15, 49.720,
300.068

 12, 56.272,
302.328


 18, 42.804,
297.735


 10, 61.892,
304.118

 21, 35.901,
295.508

 10, 62.835,
304.381

 25, 29.179,
293.486

 29, 22.692,
291.701

 32, 16.445,
290.152

■ 36, 10.427,
288.817

■ 39, 4.620, 287.675

■ 43, 0.990, 106.615

■ 46, 6.418, 105.810

Harmonies

Complementary

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



15, 49.720, 300.068



39, 40.077, 99.477

Rectangle

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



15, 49.720, 300.068



15, 49.720, 350.068



15, 49.720, 120.068



15, 49.720, 170.068

Sweetspot

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



15, 49.720, 300.069



44, 16.534, 289.523



38, 24.466, 186.903



21, 11.589, 289.890



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



15, 49.720, 300.069



16, 73.771, 304.005



17, 52.296, 310.356



19, 3.223, 287.754



12, 70.003, 304.653



32, 125.259, 305.535

Inverse Universe

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



21, 38.898, 26.284



27, 57.020, 33.544



38, 45.457, 123.259



19, 2.453, 13.515



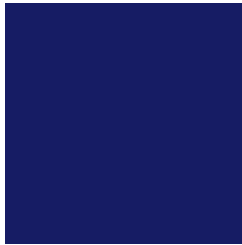
22, 53.956, 34.206



51, 97.390, 37.556

Previews

White Background



This preview shows how the CIELCh color 15, 49.720, 300.068 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 15, 49.720, 300.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

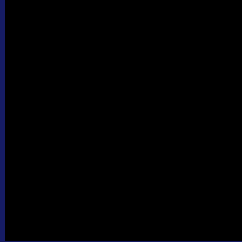
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 49.720, 300.068

Background



This preview shows how black text looks on a background with the CIELCh color 15, 49.720, 300.068.



This preview shows how white text looks on a background with the CIELCh color 15, 49.720, 300.068.

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

15, 49.720, 300.068




Protanopia

15, 29.368, 281.965

Tritanopia

15, 14.168, 202.312

Trichromacy

	Original Color 15, 49.720, 300.068
	Protanomaly 15, 36.593, 290.884
	Tritanomaly 14, 20.838, 273.284

Monochromacy

	Original Color 15, 49.720, 300.068
	Achromatopsia 13, 0.003, 296.813
	Achromatomaly 13, 18.614, 293.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 49.720, 300.068 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(22, 28, 100)` looks like.

```
.text, #text, p{  
    color:rgb(22, 28, 100)  
}
```

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(22, 28, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 28, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 49.720, 300.068 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(22, 28, 100) }
```

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

```
.border{ border-color:rgb(22, 28, 100) }
```

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

Here you see how a box with a 4 pixel rgb(22, 28, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 28, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 28, 100);  
box-shadow:4px 4px 4px 4px rgb(22, 28,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 49.720, 300.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 28, 100) }
```

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

```
.background{ background-color: rgb(22, 28,  
100) }
```

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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