

Converting Colors

CIELCh(15, 49.356, 301.849)

Have a look what the booklet for
CIELCh(15, 49.356, 301.849)
contains.

CIELCh(15, 48.961, 301.744)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(15, 48.961, 301.744)

Conversions

Conversions Part 1

Format	Color
Hex	1D1B62
RGB	29, 27, 98
RGB Percent	11%, 11%, 38%
CMY	0.8874, 0.8949, 0.6167
CMYK	0.71, 0.73, 0.00, 0.62
HSL	242°, 57%, 24%
HSV	242°, 73%, 38%
XYZ	3.0785, 1.9086, 11.7006
YIQ	35.6920, -21.5990, 22.5050

Conversions

Conversions Part 2

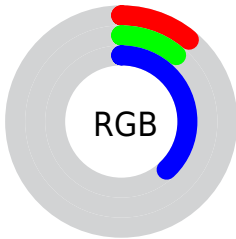
Format	Color
R_{YB}	29, 27, 98
Decimal	1907554
CIE _{Lab}	15.00, 25.76, -41.64
CIE _{LCh}	15, 48.961, 301.744
Yxy	1.9086, 0.1845, 0.1144
Android (android.graphics.Color)	4280097634 (0xFF1D1B62)
YUV	35.6920, 30.7178, -5.8689
Hunter-Lab	13.8151, 15.5989, -40.5443

Details

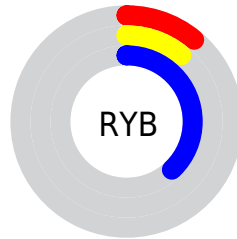
The CIELCh color **15, 48.961, 301.744** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 39.627, 105.435**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 49.208, 301.611**, and **2, 32.416, 296.013** is the 20% darker color. If you saturate the color by 10%, you get **12, 55.784, 303.595**, and if you desaturate by 10%, it is **18, 41.704, 299.811**.

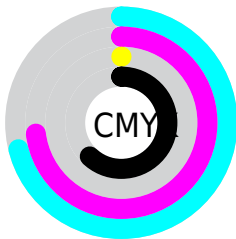
Distribution



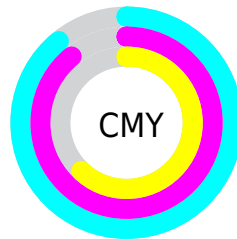
- Red (11%)
- Green (11%)
- Blue (38%)



- Red (11%)
- Yellow (11%)
- Blue (38%)



- Cyan (71%)
- Magenta (73%)
- Yellow (0%)
- Black (62%)



- Cyan (89%)
- Magenta (89%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 48.961, 301.744 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, 48.961, 301.744 by changing the saturation by 10% instead.

■ 15, 48.961,
301.744

■ 15, 48.961,
301.744

■ 100, 48.961,
301.744

■ 5, 48.961, 301.744

■ 35, 48.961,
301.744

■ 0, 48.961, 301.744

■ 45, 48.961,
301.744

■ 55, 48.961,
301.744


■ 65, 48.961,
301.744


■ 75, 48.961,
301.744


■ 85, 48.961,


301.744


 95, 48.961,
301.744


 15, 48.961,
301.744

 15, 48.961,
301.744

 12, 55.784,
303.595


 18, 41.704,
299.811


 10, 61.550,
305.161

 22, 34.438,
297.962

 8, 66.096, 306.454

 26, 27.354,
296.283

 29, 20.520,
294.803

 33, 13.947,
293.518

■ 37, 7.627, 292.413

■ 40, 1.544, 291.479

■ 44, 4.319, 110.634

■ 48, 9.977, 109.935

Harmonies

Complementary

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



15, 48.961, 301.744



40, 39.627, 105.435

Rectangle

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



15, 48.961, 301.744



15, 48.961, 351.744



15, 48.961, 121.744



15, 48.961, 171.744

Sweetspot

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



15, 48.961, 301.745



43, 16.903, 293.527



37, 21.582, 198.722



20, 11.296, 293.733



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



15, 48.961, 301.745



16, 72.388, 304.712



19, 47.883, 312.840



18, 3.351, 292.044



11, 72.874, 306.430



30, 127.572, 306.344

Inverse Universe

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



24, 47.687, 328.564



30, 64.719, 329.034



37, 43.431, 126.889



18, 3.977, 325.596



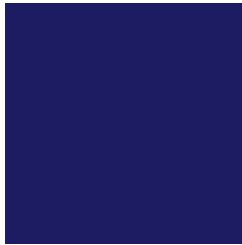
25, 61.828, 329.278



56, 107.948, 329.346

Previews

White Background



This preview shows how the CIE LCh color 15, 48.961, 301.744 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 15, 48.961, 301.744 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, 48.961, 301.744

Background



This preview shows how black text looks on a background with the CIELCh color 15, 48.961, 301.744.



This preview shows how white text looks on a background with the CIELCh color 15, 48.961, 301.744.

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, 48.961, 301.744

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 20.788, 266.209



Tritanopia
15, 14.168, 202.312

Trichromacy



Original Color
15, 48.961, 301.744

Protanomaly
14, 36.653, 291.730

Deuteranomaly
14, 30.540, 286.928

Tritanomaly
14, 20.118, 273.034

Monochromacy



Original Color
15, 48.961, 301.744

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 18.606, 296.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 48.961, 301.744 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(29, 27, 98)` looks like.

```
.text, #text, p{  
    color:rgb(29, 27, 98)  
}
```

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(29, 27, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 27, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 48.961, 301.744 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(29, 27, 98) }
```

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

```
.border{ border-color:rgb(29, 27, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 27, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 27, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 27, 98);  
box-shadow:4px 4px 4px 4px rgb(29, 27, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 48.961, 301.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 27, 98) }
```

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

```
.background{ background-color: rgb(29, 27,  
98) }
```

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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