

Converting Colors

CIELCh(15, 14.666, 326.061)

Have a look what the booklet for
CIELCh(15, 14.666, 326.061)
contains.

CIELCh(15, 14.237, 325.998)	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, 14.237, 325.998)

Conversions

Conversions Part 1

Format	Color
Hex	312031
RGB	49, 32, 49
RGB Percent	19%, 13%, 19%
CMY	0.8078, 0.8745, 0.8078
CMYK	0.00, 0.35, 0.00, 0.81
HSL	300°, 21%, 16%
HSV	300°, 35%, 19%
XYZ	2.3385, 1.9086, 3.1520
YIQ	39.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

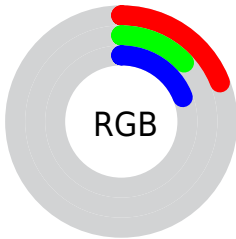
Format	Color
R_{YB}	49, 32, 49
Decimal	3219505
CIE _{Lab}	15.00, 11.80, -7.96
CIE _{LCh}	15, 14.237, 325.998
Yxy	1.9086, 0.3160, 0.2579
Android (android.graphics.Color)	4281409585 (0xFF312031)
YUV	39.0210, 4.9196, 8.7516
Hunter-Lab	13.8151, 6.0379, -3.8567

Details

The CIELCh color **15, 14.237, 325.998** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 14.237, 142.454**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 14.497, 326.886**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 18.236, 326.427**, and if you desaturate by 10%, it is **16, 10.142, 325.551**.

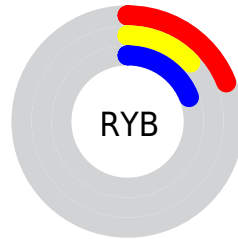
Distribution



Red (19%)

Green (13%)

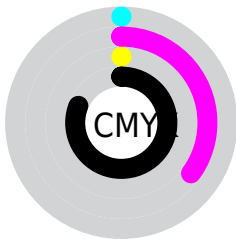
Blue (19%)



Red (19%)

Yellow (13%)

Blue (19%)

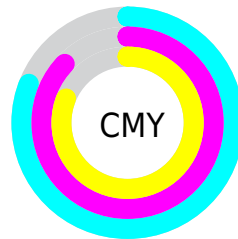


Cyan (0%)

Magenta (35%)

Yellow (0%)

Black (81%)



Cyan (81%)

Magenta (87%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 14.237, 325.998 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, 14.237, 325.998 by changing the saturation by 10% instead.

■ 15, 14.237,
325.998

■ 15, 14.237,
325.998

■ 100, 14.237,
325.998

■ 5, 14.237, 325.998

■ 35, 14.237,
325.998

■ 0, 14.237, 325.998

■ 45, 14.237,
325.998

■ 55, 14.237,
325.998

■ 65, 14.237,
325.998

■ 75, 14.237,
325.998

■ 85, 14.237,

325.998

95, 14.237,
325.998

15, 14.237,
325.998

15, 14.237,
325.998

14, 18.236,
326.427

16, 10.142,
325.551

12, 22.060,
326.829

18, 6.019, 325.092

11, 25.611,
327.194

20, 1.912, 324.604

21, 2.144, 144.250

10, 28.781,
327.513

23, 6.126, 143.781

9, 31.563, 327.788

25, 10.019,
143.348

■ 8, 34.511, 328.073

■ 26, 13.816,
142.934

■ 8, 36.195, 328.232

■ 28, 17.513,
142.538

■ 30, 21.109,
142.162

Harmonies

Complementary

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



15, 14.237, 325.998



18, 14.237, 142.454

Rectangle

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



15, 14.237, 325.998



15, 14.237, 15.998



15, 14.237, 145.998



15, 14.237, 195.998

Sweetspot

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



15, 14.236, 325.998



25, 5.102, 324.898



13, 12.234, 293.679



11, 3.519, 324.912



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 14.236, 325.998



19, 21.384, 326.410



15, 10.172, 346.304



8, 2.334, 324.790



19, 53.727, 328.233



52, 102.223, 328.233

Inverse Universe

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



15, 14.236, 325.998



19, 21.384, 326.410



19, 9.817, 161.002



8, 2.334, 324.790



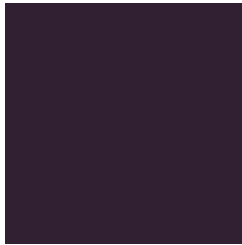
19, 53.727, 328.233



52, 102.223, 328.233

Previews

White Background



This preview shows how the CIE LCh color 15, 14.237, 325.998 looks on a white background.

Color Contrast Check

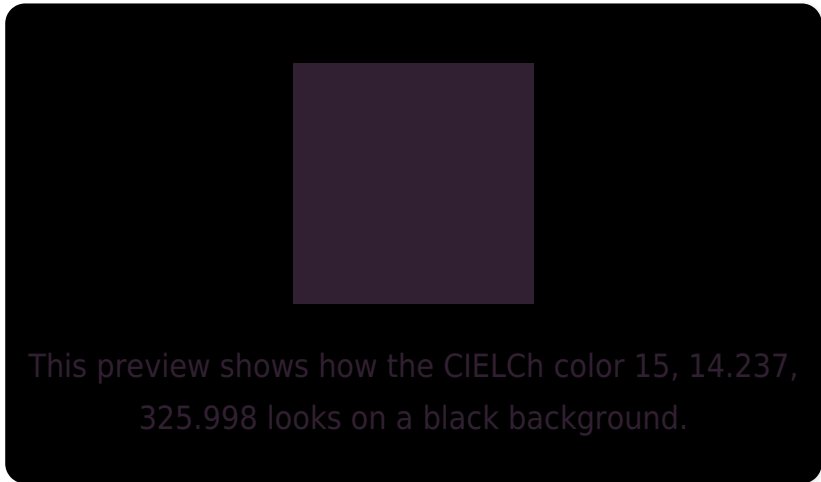
Large Text (above 18pt) WCAG AA ✓ Pass

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

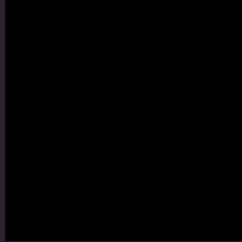
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 14.237, 325.998

Background



This preview shows how black text looks on a background with the CIELCh color 15, 14.237, 325.998.



This preview shows how white text looks on a background with the CIELCh color 15, 14.237, 325.998.

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, 14.237, 325.998

Protanopia

15, 11.377, 284.971

Deuteranopia

15, 7.784, 289.076



Tritanopia
15, 6.831, 3.304

Trichromacy



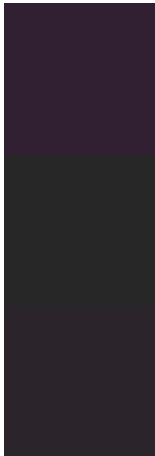
Original Color
15, 14.237, 325.998

Protanomaly
15, 12.212, 301.433

Deuteranomaly
15, 9.642, 308.820

Tritanomaly
15, 9.180, 344.145

Monochromacy



Original Color
15, 14.237, 325.998

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 5.974, 325.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 14.237, 325.998 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(49, 32, 49)` looks like.

```
.text, #text, p{  
    color:rgb(49, 32, 49)  
}
```

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(49, 32, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 32, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 14.237, 325.998 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(49, 32, 49) }
```

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

```
.border{ border-color:rgb(49, 32, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 32, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 32, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 32, 49);  
box-shadow:4px 4px 4px 4px rgb(49, 32, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 14.237, 325.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 32, 49) }
```

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

```
.background{ background-color: rgb(49, 32,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor