

Converting Colors

CIELCh(15, 9.581, 325.511)

Have a look what the booklet for
CIELCh(15, 9.581, 325.511) contains.

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Color

CIELCh(15, 9.343, 325.519)

Conversions

Conversions Part 1

Format	Color
Hex	2D222D
RGB	45, 34, 45
RGB Percent	18%, 13%, 18%
CMY	0.8227, 0.8659, 0.8227
CMYK	0.00, 0.24, 0.00, 0.82
HSL	300°, 14%, 16%
HSV	300°, 24%, 18%
XYZ	2.1462, 1.9086, 2.7582
YIQ	38.5430, 3.0250, 5.7530

Conversions

Conversions Part 2

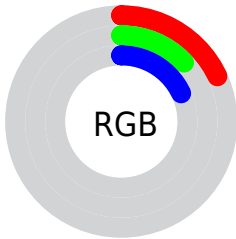
Format	Color
RYB	45, 34, 45
Decimal	2957869
CIELab	15.00, 7.70, -5.29
CIELCh	15, 9.343, 325.519
Yxy	1.9086, 0.3150, 0.2801
Android (android.graphics.Color)	4281147949 (0xFF2D222D)
YUV	38.5430, 3.1833, 5.6628
Hunter-Lab	13.8151, 3.5530, -2.1665

Details

The CIELCh color **15, 9.343, 325.519** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 9.336, 143.181**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 9.820, 325.149**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.169, 325.959**, and if you desaturate by 10%, it is **16, 5.491, 325.068**.

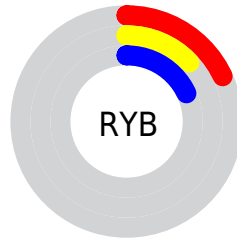
Distribution



Red (18%)

Green (13%)

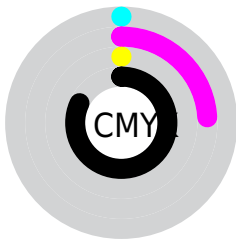
Blue (18%)



Red (18%)

Yellow (13%)

Blue (18%)

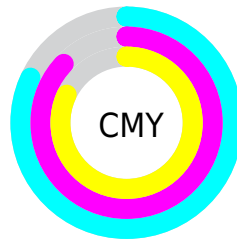


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (82%)



Cyan (82%)

Magenta (87%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 9.343, 325.519 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, 9.343, 325.519 by changing the saturation by 10% instead.

■ 15, 9.343, 325.519

■ 15, 9.343, 325.519

■ 100, 9.343,
325.519

■ 5, 9.343, 325.519

■ 35, 9.343, 325.519

■ 0, 9.343, 325.519

■ 45, 9.343, 325.519

■ 55, 9.343, 325.519

■ 65, 9.343, 325.519

■ 75, 9.343, 325.519

■ 85, 9.343, 325.519

■ 95, 9.343, 325.519

15, 9.343, 325.519

15, 9.343, 325.519

14, 13.169,
325.959

16, 5.491, 325.068

12, 16.917,
326.382

18, 1.658, 324.583

11, 20.513,
326.780

19, 2.127, 144.242

10, 23.872,
327.145

23, 9.481, 143.357

9, 26.896, 327.466

24, 13.028,
142.950

8, 29.641, 327.752

26, 16.484,
142.561

7, 32.518, 328.025

27, 19.848,
142.190

7, 34.137, 328.149

29, 23.120,
141.838

Harmonies

Complementary

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



15, 9.343, 325.519



17, 9.336, 143.181

Rectangle

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



15, 9.343, 325.519



15, 9.343, 15.519



15, 9.343, 145.519



15, 9.343, 195.519

Sweetspot

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



15, 9.342, 325.519



23, 3.325, 324.742



14, 7.872, 292.410



11, 2.185, 324.731



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 9.342, 325.519



19, 13.856, 325.798



15, 6.631, 345.376



7, 1.977, 324.415



19, 52.659, 328.237



51, 101.309, 328.238

Inverse Universe

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



15, 9.342, 325.519



19, 13.856, 325.798



17, 6.468, 161.927



7, 1.977, 324.415



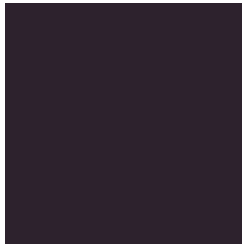
19, 52.659, 328.237



51, 101.309, 328.238

Previews

White Background



This preview shows how the CIELCh color 15, 9.343, 325.519 looks on a white background.

Color Contrast Check

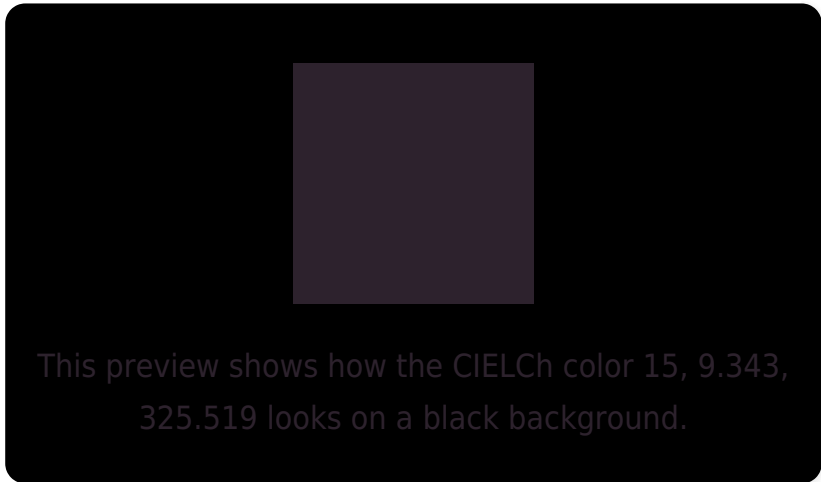
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.343, 325.519

Background



This preview shows how black text looks on a background with the CIELCh color 15, 9.343, 325.519.



This preview shows how white text looks on a background with the CIELCh color 15, 9.343, 325.519.

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, 9.343, 325.519

Protanopia

15, 7.111, 285.021

Deuteranopia

15, 5.686, 296.318



Tritanopia
15, 4.925, 355.291

Trichromacy



Original Color

15, 9.343, 325.519

Protanomaly

15, 7.242, 302.916

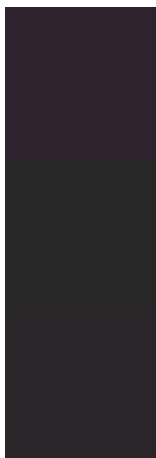
Deuteranomaly

15, 6.805, 311.692

Tritanomaly

15, 6.077, 336.839

Monochromacy



Original Color

15, 9.343, 325.519

Achromatopsia

16, 0.003, 296.813

Achromatomaly

15, 3.429, 324.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 9.343, 325.519 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(45, 34, 45)` looks like.

```
.text, #text, p{  
    color:rgb(45, 34, 45)  
}
```

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(45, 34, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 34, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 9.343, 325.519 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(45, 34, 45) }
```

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

```
.border{ border-color:rgb(45, 34, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 34, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 34, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 34, 45);  
box-shadow:4px 4px 4px 4px rgb(45, 34, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 9.343, 325.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 34, 45) }
```

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

```
.background{ background-color: rgb(45, 34,  
45) }
```

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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