

Converting Colors

CIELCh(15, 13.073, 327.847)

Have a look what the booklet for
CIELCh(15, 13.073, 327.847)
contains.

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Color

CIELCh(15, 13.684, 327.676)

Conversions

Conversions Part 1

Format	Color
Hex	312030
RGB	49, 32, 48
RGB Percent	19%, 13%, 19%
CMY	0.8074, 0.8741, 0.8113
CMYK	0.00, 0.35, 0.02, 0.81
HSL	304°, 21%, 16%
HSV	304°, 35%, 19%
XYZ	2.3269, 1.9086, 3.0538
YIQ	38.9070, 4.9960, 8.5800

Conversions

Conversions Part 2

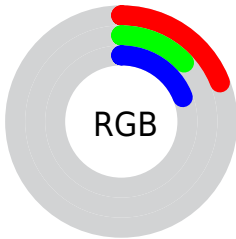
Format	Color
R_{YB}	49, 32, 48
Decimal	3219504
CIE Lab	15.00, 11.56, -7.32
CIE LCh	15, 13.684, 327.676
Yxy	1.9086, 0.3192, 0.2618
Android (android.graphics.Color)	4281409584 (0xFF312030)
YUV	38.9070, 4.4828, 8.8516
Hunter-Lab	13.8151, 5.8890, -3.4351

Details

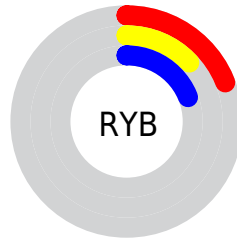
The CIELCh color **15, 13.684, 327.676** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 13.677, 144.041**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 13.771, 326.917**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 17.538, 328.137**, and if you desaturate by 10%, it is **16, 9.739, 327.205**.

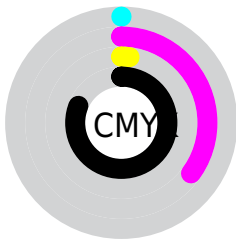
Distribution



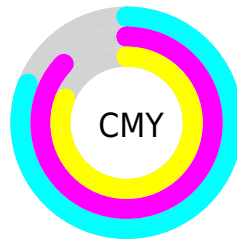
- Red (19%)
- Green (13%)
- Blue (19%)



- Red (19%)
- Yellow (13%)
- Blue (19%)



- Cyan (0%)
- Magenta (35%)
- Yellow (2%)
- Black (81%)



- Cyan (81%)
- Magenta (87%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 13.684, 327.676 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, 13.684, 327.676 by changing the saturation by 10% instead.

■ 15, 13.684,
327.676

■ 15, 13.684,
327.676

■ 100, 13.684,
327.676

■ 5, 13.684, 327.676

■ 35, 13.684,
327.676

■ 0, 13.684, 327.676

■ 45, 13.684,
327.676


■ 55, 13.684,
327.676


■ 65, 13.684,
327.676


■ 75, 13.684,
327.676


■ 85, 13.684,

327.676


 95, 13.684,
327.676

 15, 13.684,
327.676


 15, 13.684,
327.676

 14, 17.538,
328.137


 16, 9.739, 327.205

 12, 21.226,
328.582

 18, 5.769, 326.727

 11, 24.649,
329.003

 20, 1.816, 326.221

 10, 27.700,
329.394

 21, 2.085, 145.866

 9, 30.368, 329.754

 23, 5.916, 145.386

 25, 9.661, 144.944

 26, 13.315,

■ 8, 33.211, 330.106 144.523

■ 8, 34.853, 330.291 ■ 28, 16.874,
144.120

■ 30, 20.337,
143.737

Harmonies

Complementary

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



15, 13.684, 327.676



18, 13.677, 144.041

Rectangle

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



15, 13.684, 327.676



15, 13.684, 17.676



15, 13.684, 147.676



15, 13.684, 197.676

Sweetspot

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



15, 13.683, 327.676



25, 4.901, 326.528



13, 12.241, 295.326



11, 3.380, 326.543



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, 13.683, 327.676



19, 20.557, 328.120



15, 9.879, 349.236



8, 2.242, 326.417



19, 51.469, 330.537



51, 97.561, 330.751

Inverse Universe

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



15, 13.683, 327.676



19, 20.557, 328.120



19, 9.442, 163.715



8, 2.242, 326.417



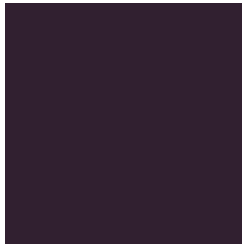
19, 51.469, 330.537



51, 97.561, 330.751

Previews

White Background



This preview shows how the CIELCh color 15, 13.684, 327.676 looks on a white background.

Color Contrast Check

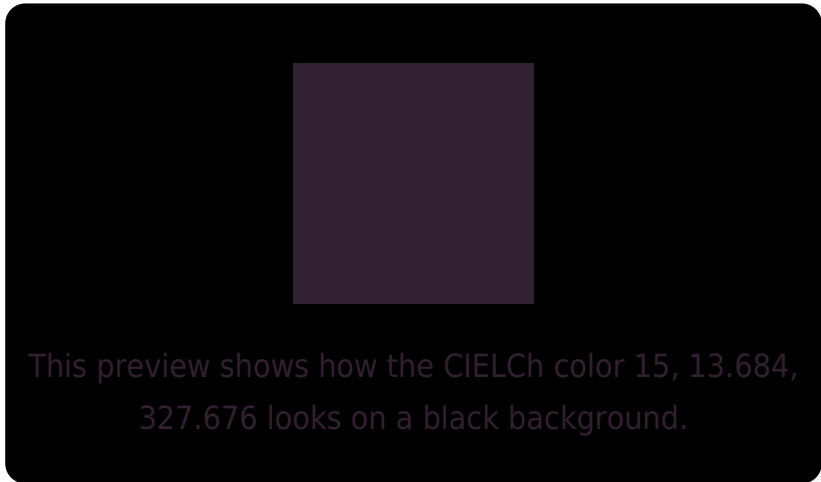
Large Text (above 18pt) WCAG AA ✓ Pass

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

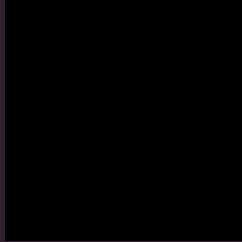
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 13.684, 327.676

Background



This preview shows how black text looks on a background with the CIELCh color 15, 13.684, 327.676.



This preview shows how white text looks on a background with the CIELCh color 15, 13.684, 327.676.

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, 13.684, 327.676

Protanopia

15, 10.641, 286.315

Deuteranopia

15, 7.074, 292.107



Tritanopia
15, 7.318, 4.704

Trichromacy



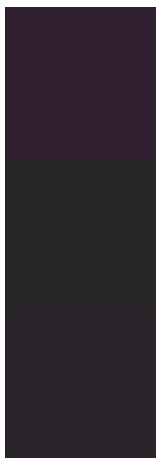
Original Color
15, 13.684, 327.676

Protanomaly
15, 11.518, 301.829

Deuteranomaly
15, 8.971, 310.051

Tritanomaly
15, 9.180, 344.145

Monochromacy



Original Color
15, 13.684, 327.676

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 5.415, 329.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 13.684, 327.676 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, 48)` looks like.

```
.text, #text, p{  
  color:rgb(49, 32, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 32, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 13.684, 327.676 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, 48) }
```

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

```
.border{ border-color:rgb(49, 32, 48) }
```

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, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 32, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 32, 48);  
box-shadow:4px 4px 4px 4px rgb(49, 32, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 13.684, 327.676 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, 48) }
```

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

```
.background{ background-color: rgb(49, 32,  
48) }
```

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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