

Converting Colors

CIELCh(15, 31.702, 330.482)

Have a look what the booklet for
CIELCh(15, 31.702, 330.482)
contains.

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Color

CIELCh(15, 31.406, 330.408)

Conversions

Conversions Part 1

Format	Color
Hex	40143C
RGB	64, 20, 60
RGB Percent	25%, 8%, 24%
CMY	0.7494, 0.9220, 0.7651
CMYK	0.00, 0.69, 0.06, 0.75
HSL	305°, 52%, 16%
HSV	305°, 69%, 25%
XYZ	3.1691, 1.9086, 4.4628
YIQ	37.7160, 13.3840, 21.7680

Conversions

Conversions Part 2

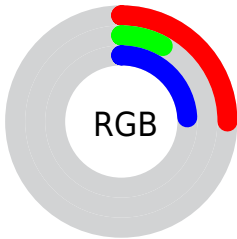
Format	Color
R_{YB}	64, 20, 60
Decimal	4199484
CIE _{Lab}	15.00, 27.31, -15.51
CIE _{LCh}	15, 31.406, 330.408
Yxy	1.9086, 0.3322, 0.2000
Android (android.graphics.Color)	4282389564 (0xFF40143C)
YUV	37.7160, 10.9860, 23.0511
Hunter-Lab	13.8151, 16.7707, -9.4823




Details

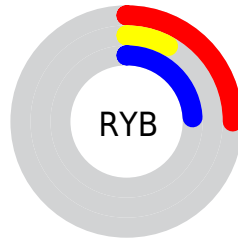
The CIELCh color **15, 31.406, 330.408** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 31.882, 141.483**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 31.587, 329.780**, and **1, 7.178, 305.864** is the 20% darker color. If you saturate the color by 10%, you get **14, 34.646, 330.848**, and if you desaturate by 10%, it is **16, 27.563, 329.943**.

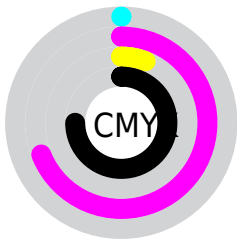
Distribution







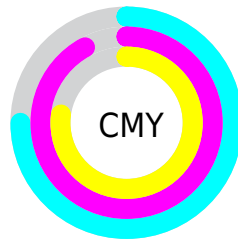
-  Red (25%)
-  Green (8%)
-  Blue (24%)






-  Red (25%)
-  Yellow (8%)
-  Blue (24%)



-  Cyan (0%)
-  Magenta (69%)
-  Yellow (6%)
-  Black (75%)



-  Cyan (75%)
-  Magenta (92%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 31.406, 330.408 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, 31.406, 330.408 by changing the saturation by 10% instead.

■ 15, 31.406,
330.408

■ 15, 31.406,
330.408

■ 100, 31.406,
330.408

■ 5, 31.406, 330.408

■ 35, 31.406,
330.408

■ 0, 31.406, 330.408

■ 45, 31.406,
330.408


■ 55, 31.406,
330.408


■ 65, 31.406,
330.408


■ 75, 31.406,
330.408


■ 85, 31.406,


330.408


 95, 31.406,
330.408

 15, 31.406,
330.408


 15, 31.406,
330.408


 14, 34.646,
330.848


 16, 27.563,
329.943


 13, 37.254,
331.264

 18, 23.276,
329.458

 12, 39.949,
331.658

 20, 18.690,
328.957

 12, 40.275,
331.702

 21, 13.928,
328.446

 23, 9.091, 327.931

■ 25, 4.250, 327.409

■ 27, 0.543, 147.170

■ 29, 5.252, 146.479

■ 31, 9.857, 145.999

Harmonies

Complementary

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



15, 31.406, 330.408



23, 31.882, 141.483

Rectangle

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



15, 31.406, 330.408



15, 31.406, 20.408



15, 31.406, 150.408



15, 31.406, 200.408

Sweetspot

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



15, 31.405, 330.408



31, 12.743, 328.091



9, 32.271, 301.364



14, 8.703, 328.147



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



15, 31.405, 330.408



19, 44.140, 331.179



14, 23.603, 356.415



12, 2.753, 327.394



21, 53.204, 331.950



52, 97.623, 332.268

Inverse Universe

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



15, 31.405, 330.408



19, 44.140, 331.179



24, 21.437, 161.438



12, 2.753, 327.394



21, 53.204, 331.950



52, 97.623, 332.268

Previews

White Background



This preview shows how the CIE LCh color 15, 31.406, 330.408 looks on a white background.

Color Contrast Check

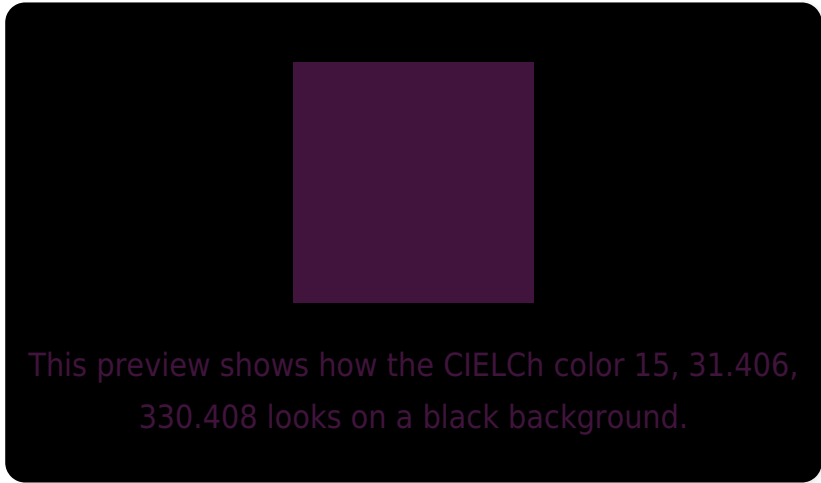
Large Text (above 18pt) WCAG AA ✓ Pass

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

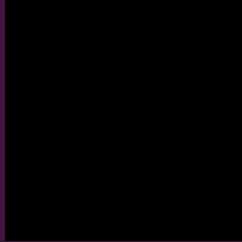
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 31.406, 330.408

Background



This preview shows how black text looks on a background with the CIELCh color 15, 31.406, 330.408.



This preview shows how white text looks on a background with the CIELCh color 15, 31.406, 330.408.

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, 31.406, 330.408

Protanopia

16, 26.911, 284.212

Deuteranopia

16, 12.827, 281.138



Tritanopia
15, 16.816, 19.660

Trichromacy



Original Color
15, 31.406, 330.408

Protanomaly
14, 27.681, 298.672

Deuteranomaly
15, 19.093, 309.750

Tritanomaly
15, 19.985, 352.644

Monochromacy



Original Color
15, 31.406, 330.408

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 12.934, 327.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 31.406, 330.408 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(64, 20, 60)` looks like.

```
.text, #text, p{  
    color:rgb(64, 20, 60)  
}
```

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(64, 20, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 20, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 31.406, 330.408 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(64, 20, 60) }
```

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

```
.border{ border-color:rgb(64, 20, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 20, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 20, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 20, 60);  
box-shadow:4px 4px 4px 4px rgb(64, 20, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 31.406, 330.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 20, 60) }
```

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

```
.background{ background-color: rgb(64, 20,  
60) }
```

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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