

Converting Colors

CIELCh(15, 50.581, 314.854)

Have a look what the booklet for
CIELCh(15, 50.581, 314.854)
contains.

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Color

CIELCh(15, 50.456, 315.055)

Conversions

Conversions Part 1

Format	Color
Hex	3A0D59
RGB	58, 13, 89
RGB Percent	23%, 5%, 35%
CMY	0.7725, 0.9490, 0.6510
CMYK	0.35, 0.85, 0.00, 0.65
HSL	276°, 75%, 20%
HSV	276°, 85%, 35%
XYZ	3.6919, 1.9086, 9.6246
YIQ	35.1190, 2.4240, 33.1760

Conversions

Conversions Part 2

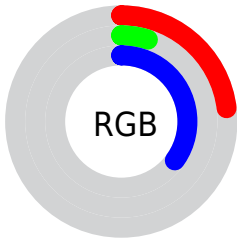
Format	Color
R_{YB}	58, 13, 89
Decimal	3804505
CIE _{Lab}	15.00, 35.71, -35.64
CIE _{LCh}	15, 50.456, 315.055
Yxy	1.9086, 0.2425, 0.1254
Android (android.graphics.Color)	4281994585 (0xFF3A0D59)
YUV	35.1190, 26.5633, 20.0666
Hunter-Lab	13.8151, 23.5252, -31.6350

Details

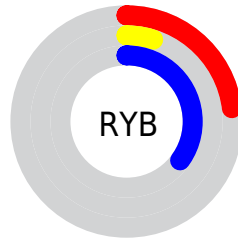
The CIELCh color **15, 50.456, 315.055** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **33, 46.468, 129.395**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 50.800, 315.112**, and **2, 26.506, 293.598** is the 20% darker color. If you saturate the color by 10%, you get **13, 54.420, 314.953**, and if you desaturate by 10%, it is **17, 45.793, 315.032**.

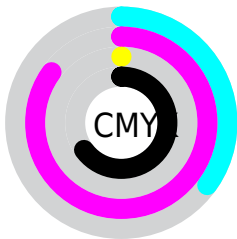
Distribution



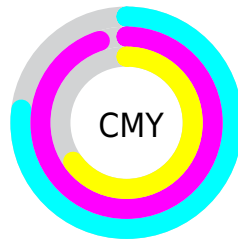
- Red (23%)
- Green (5%)
- Blue (35%)



- Red (23%)
- Yellow (5%)
- Blue (35%)



- Cyan (35%)
- Magenta (85%)
- Yellow (0%)
- Black (65%)





- Cyan (77%)
- Magenta (95%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 50.456, 315.055 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, 50.456, 315.055 by changing the saturation by 10% instead.

 15, 50.456,
315.055


 15, 50.456,
315.055


 100, 50.456,
315.055


 5, 50.456, 315.055


 35, 50.456,
315.055

 0, 50.456, 315.055

 45, 50.456,
315.055


 55, 50.456,
315.055


 65, 50.456,
315.055


 75, 50.456,
315.055


 85, 50.456,


315.055


 95, 50.456,
315.055


 15, 50.456,
315.055


 15, 50.456,
315.055


 13, 54.420,
314.953


 17, 45.793,
315.032

 12, 56.430,
314.992

 19, 40.329,
314.824

 22, 34.368,
314.497

 25, 28.145,
314.102

 27, 21.828,
313.675

■ 30, 15.529,
313.241

■ 33, 9.316, 312.817

■ 36, 3.228, 312.401

■ 39, 2.712, 132.084

Harmonies

Complementary

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



15, 50.456, 315.055



33, 46.468, 129.395

Rectangle

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



15, 50.456, 315.055



15, 50.456, 5.055



15, 50.456, 135.055



15, 50.456, 185.055

Sweetspot

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



15, 50.456, 315.055



39, 19.632, 313.303



19, 30.765, 283.006



18, 13.440, 313.395



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



15, 50.456, 315.055



18, 67.624, 314.656



20, 46.975, 331.013



16, 3.289, 312.542



16, 64.350, 314.741



40, 115.018, 314.027

Inverse Universe

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



18, 35.784, 2.168



23, 46.857, 8.529



32, 49.018, 138.859



16, 2.445, 349.593



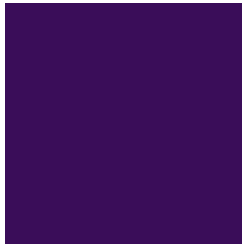
21, 44.605, 8.103



50, 79.640, 11.781

Previews

White Background



This preview shows how the CIE LCh color 15, 50.456, 315.055 looks on a white background.

Color Contrast Check

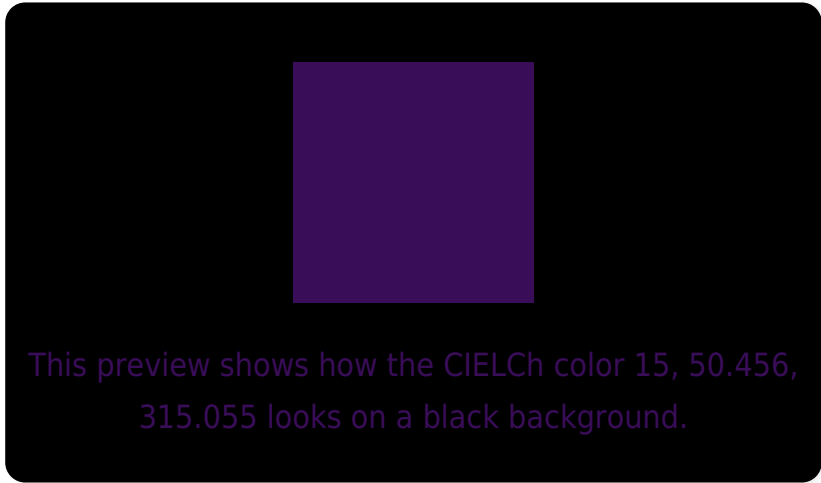
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.456, 315.055

Background



This preview shows how black text looks on a background with the CIELCh color 15, 50.456, 315.055.



This preview shows how white text looks on a background with the CIELCh color 15, 50.456, 315.055.

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, 50.456, 315.055

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 21.938, 268.193



Tritanopia
16, 6.776, 3.213

Trichromacy



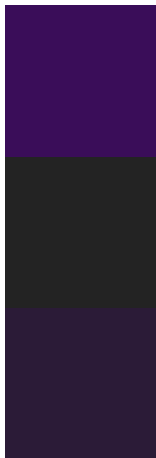
Original Color
15, 50.456, 315.055

Protanomaly
14, 38.799, 297.018

Deuteranomaly
14, 32.621, 293.916

Tritanomaly
15, 22.590, 321.545

Monochromacy



Original Color
15, 50.456, 315.055

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 21.087, 313.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 50.456, 315.055 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(58, 13, 89)` looks like.

```
.text, #text, p{  
    color:rgb(58, 13, 89)  
}
```

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(58, 13, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 13, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 50.456, 315.055 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(58, 13, 89) }
```

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

```
.border{ border-color:rgb(58, 13, 89) }
```

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

Here you see how a box with a 4 pixel rgb(58, 13, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 13, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 13, 89);  
box-shadow:4px 4px 4px 4px rgb(58, 13, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 50.456, 315.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 13, 89) }
```

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

```
.background{ background-color: rgb(58, 13,  
89) }
```

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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