

Converting Colors

CIELCh(4, 86.533, 332.319)

Have a look what the booklet for
CIELCh(4, 86.533, 332.319) contains.

CIELCh(15, 45.505, 331.308)	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>	26

Color

CIELCh(15, 45.505, 331.308)

Conversions

Conversions Part 1

Format	Color
Hex	4B0045
RGB	75, 0, 69
RGB Percent	29%, 0%, 27%
CMY	0.7057, 1.0000, 0.7289
CMYK	0.00, 1.00, 0.08, 0.71
HSL	305°, 100%, 15%
HSV	305°, 100%, 29%
XYZ	3.9739, 1.9086, 5.8100
YIQ	30.2910, 22.5510, 37.3590

Conversions

Conversions Part 2

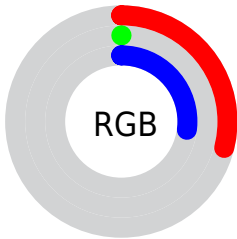
Format	Color
R_{YB}	75, 0, 69
Decimal	4915269
CIE Lab	15.00, 39.92, -21.85
CIE LCh	15, 45.505, 331.308
Yxy	1.9086, 0.3399, 0.1632
Android (android.graphics.Color)	4283105349 (0xFF4B0045)
YUV	30.2910, 19.0835, 39.2098
Hunter-Lab	13.8151, 27.1683, -15.2638

Details

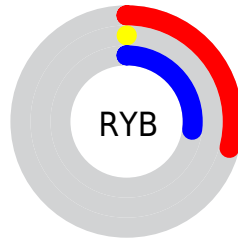
The CIELCh color **15, 45.505, 331.308** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 47.446, 137.748**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 45.446, 331.305**, and **3, 15.773, 324.439** is the 20% darker color. If you saturate the color by 10%, you get **15, 45.127, 331.304**, and if you desaturate by 10%, it is **16, 42.547, 330.936**.

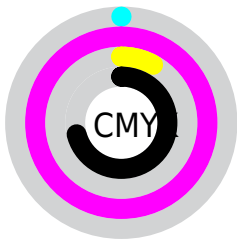
Distribution



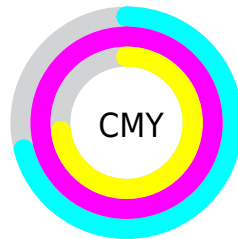
- Red (29%)
- Green (0%)
- Blue (27%)



- Red (29%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 45.505, 331.308 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, 45.505, 331.308 by changing the saturation by 10% instead.

 15, 45.505,
331.308


 15, 45.505,
331.308


 100, 45.505,
331.308


 5, 45.505, 331.308


 35, 45.505,
331.308

 0, 45.505, 331.308

 45, 45.505,
331.308


 55, 45.505,
331.308


 65, 45.505,
331.308


 75, 45.505,
331.308


 85, 45.505,


331.308


 95, 45.505,
331.308


 15, 45.505,
331.308


 15, 45.505,
331.308


 15, 45.127,
331.304

 16, 42.547,
330.936

 17, 39.912,
330.549

 18, 36.429,
330.129

 20, 32.186,
329.678

 21, 27.365,
329.198

■ 23, 22.147,
328.697

■ 25, 16.692,
328.183

■ 27, 11.124,
327.660

■ 30, 5.539, 327.131

Harmonies

Complementary

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



15, 45.505, 331.308



27, 47.446, 137.748

Rectangle

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



15, 45.505, 331.308



15, 45.505, 21.308



15, 45.505, 151.308



15, 45.505, 201.308

Sweetspot

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



15, 45.127, 331.304



33, 20.619, 328.240



5, 52.733, 305.463



15, 13.868, 328.345



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



15, 45.127, 331.304



21, 53.669, 331.427



13, 34.940, 3.306



14, 3.138, 327.060



22, 55.613, 331.449



53, 100.217, 331.701

Inverse Universe

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



15, 45.127, 331.304



21, 53.669, 331.427



27, 32.675, 155.231



14, 3.138, 327.060



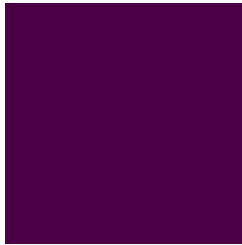
22, 55.613, 331.449



53, 100.217, 331.701

Previews

White Background



This preview shows how the CIELCh color 15, 45.505, 331.308 looks on a white background.

Color Contrast Check

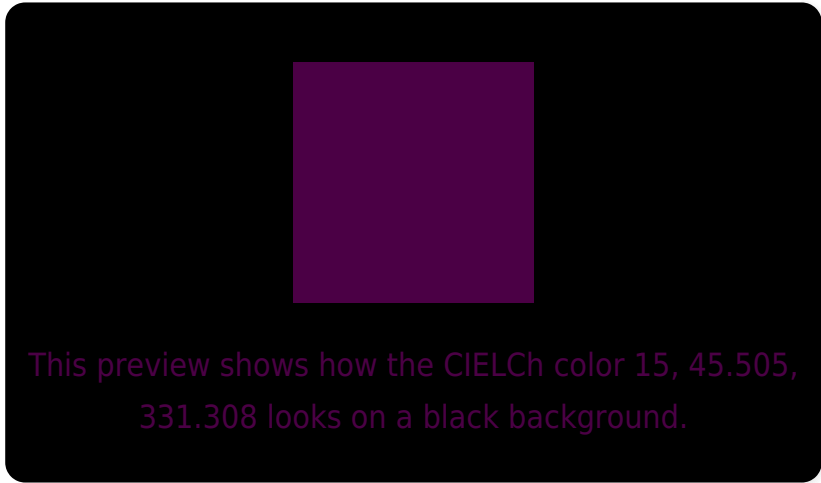
Large Text (above 18pt) WCAG AA ✓ Pass

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

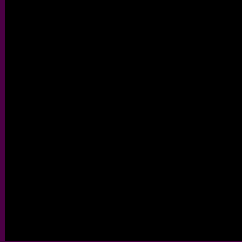
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 45.505, 331.308

Background



This preview shows how black text looks on a background with the CIELCh color 15, 45.505, 331.308.



This preview shows how white text looks on a background with the CIELCh color 15, 45.505, 331.308.

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, 45.072, 331.346

Deuteranopia

17, 16.279, 279.967

Tritanopia

17, 23.146, 23.060

Trichromacy

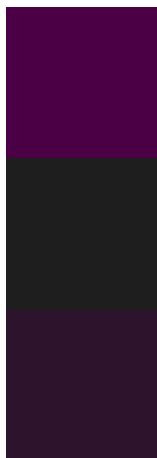


Original Color
15, 45.072, 331.346

Deuteranomaly
14, 29.045, 311.741

Tritanomaly
15, 28.967, 352.940

Monochromacy



Original Color
15, 45.072, 331.346

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 21.253, 329.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 45.505, 331.308 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(75, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 69)  
}
```

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(75, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 45.505, 331.308 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(75, 0, 69) }
```

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

```
.border{ border-color:rgb(75, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(75, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 0, 69); box-shadow:4px  
4px 4px 4px rgb(75, 0, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 45.505, 331.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 69) }
```

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

```
.background{ background-color: rgb(75, 0,  
69) }
```

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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