

Converting Colors

CIELCh(0, 106.171, 327.538)

Have a look what the booklet for
CIELCh(0, 106.171, 327.538)
contains.

CIELCh(15, 52.333, 321.569)	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>	27

Color

CIELCh(15, 52.333, 321.569)

Conversions

Conversions Part 1

Format	Color
Hex	450155
RGB	69, 1, 85
RGB Percent	27%, 0%, 33%
CMY	0.7312, 0.9979, 0.6685
CMYK	0.19, 0.99, 0.00, 0.67
HSL	289°, 99%, 17%
HSV	289°, 99%, 33%
XYZ	4.0484, 1.9086, 8.6500
YIQ	30.9080, 13.5640, 40.5400

Conversions

Conversions Part 2

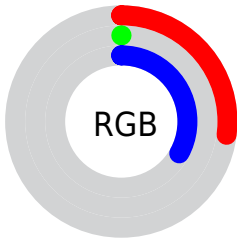
Format	Color
RYB	69, 1, 85
Decimal	4522325
CIELab	15.00, 41.00, -32.53
CIELCh	15, 52.333, 321.569
Yxy	1.9086, 0.2772, 0.1307
Android (android.graphics.Color)	4282712405 (0xFF450155)
YUV	30.9080, 26.6674, 33.4067
Hunter-Lab	13.8151, 28.1310, -27.4524

Details

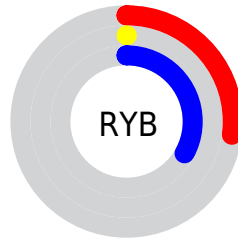
The CIELCh color **15, 52.333, 321.569** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 51.959, 133.992**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 52.050, 321.828**, and **3, 25.124, 306.400** is the 20% darker color. If you saturate the color by 10%, you get **15, 52.556, 321.569**, and if you desaturate by 10%, it is **16, 49.081, 321.622**.

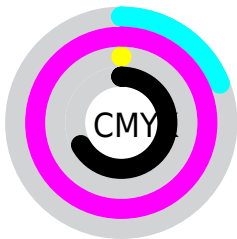
Distribution



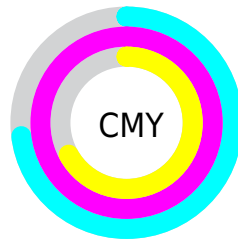
- Red (27%)
- Green (0%)
- Blue (33%)



- Red (27%)
- Yellow (0%)
- Blue (33%)



- Cyan (19%)
- Magenta (99%)
- Yellow (0%)
- Black (67%)





- Cyan (73%)
- Magenta (100%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 52.333, 321.569 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, 52.333, 321.569 by changing the saturation by 10% instead.

 15, 52.333,
321.569


 15, 52.333,
321.569


 100, 52.333,
321.569


 5, 52.333, 321.569


 35, 52.333,
321.569

 0, 52.333, 321.569

 45, 52.333,
321.569


 55, 52.333,
321.569


 65, 52.333,
321.569


 75, 52.333,
321.569


 85, 52.333,


321.569


 95, 52.333,
321.569


 15, 52.333,
321.569


 15, 52.333,
321.569


 15, 52.556,
321.569

 16, 49.081,
321.622

 18, 45.623,
321.675

 19, 41.190,
321.576

 21, 36.002,
321.358

 23, 30.295,
321.054

■ 26, 24.273,
320.692

■ 28, 18.094,
320.296

■ 31, 11.876,
319.882

■ 33, 5.698, 319.460

Harmonies

Complementary

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



15, 52.333, 321.569



31, 51.959, 133.992

Rectangle

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



15, 52.333, 321.569



15, 52.333, 11.569



15, 52.333, 141.569



15, 52.333, 191.569

Sweetspot

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



15, 52.332, 321.569



37, 22.935, 320.363



10, 48.307, 299.983



17, 15.780, 320.466



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



15, 52.332, 321.569



21, 63.079, 321.358



17, 41.827, 343.134



16, 3.481, 319.436



20, 62.032, 321.375



48, 110.460, 320.944

Inverse Universe

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



15, 39.831, 24.447



21, 49.031, 27.306



31, 45.393, 143.006



16, 2.195, 4.654



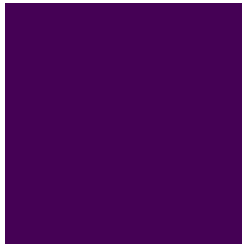
21, 48.158, 27.139



49, 88.527, 31.057

Previews

White Background



This preview shows how the CIELCh color 15, 52.333, 321.569 looks on a white background.

Color Contrast Check

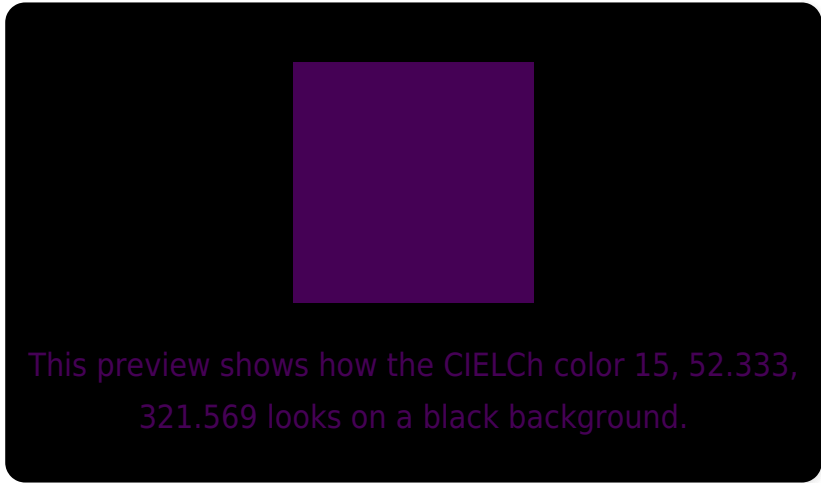
Large Text (above 18pt) WCAG AA ✓ Pass

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

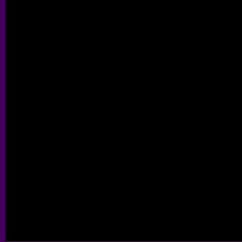
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 52.333, 321.569

Background



This preview shows how black text looks on a background with the CIELCh color 15, 52.333, 321.569.



This preview shows how white text looks on a background with the CIELCh color 15, 52.333, 321.569.

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, 52.358, 321.559

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 23.686, 270.473



Tritanopia
17, 14.996, 18.281

Trichromacy



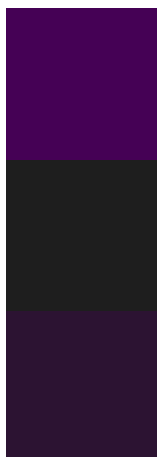
Original Color
15, 52.358, 321.559

Protanomaly
13, 41.594, 300.106

Deuteranomaly
13, 35.498, 297.973

Tritanomaly
15, 27.629, 336.958

Monochromacy



Original Color
15, 52.358, 321.559

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 24.346, 321.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 52.333, 321.569 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(69, 1, 85)` looks like.

```
.text, #text, p{  
    color:rgb(69, 1, 85)  
}
```

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(69, 1, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 1, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 52.333, 321.569 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(69, 1, 85) }
```

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

```
.border{ border-color:rgb(69, 1, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 1, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 1, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 1, 85); box-shadow:4px  
4px 4px 4px rgb(69, 1, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 52.333, 321.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 1, 85) }
```

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

```
.background{ background-color: rgb(69, 1,  
85) }
```

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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