

Converting Colors

CIELCh(17, 55.722, 321.185)

Have a look what the booklet for
CIELCh(17, 55.722, 321.185)
contains.

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Color

CIELCh(17, 55.837, 321.315)

Conversions

Conversions Part 1

Format	Color
Hex	4B015D
RGB	75, 1, 93
RGB Percent	29%, 0%, 36%
CMY	0.7061, 0.9964, 0.6355
CMYK	0.19, 0.99, 0.00, 0.64
HSL	288°, 98%, 18%
HSV	288°, 99%, 36%
XYZ	4.8793, 2.3023, 10.5282
YIQ	33.6140, 14.5720, 44.3000

Conversions

Conversions Part 2

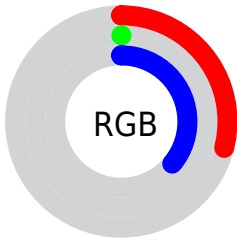
Format	Color
R_{YB}	75, 1, 93
Decimal	4915549
CIE _{Lab}	17.00, 43.59, -34.90
CIE _{LCh}	17, 55.837, 321.315
Yxy	2.3023, 0.2755, 0.1300
Android (android.graphics.Color)	4283105629 (0xFF4B015D)
YUV	33.6140, 29.2773, 36.2955
Hunter-Lab	15.1734, 30.8465, -30.5173

Details

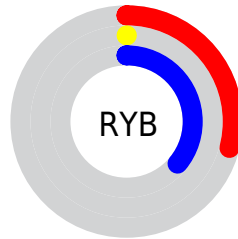
The CIELCh color **17, 55.837, 321.315** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **34, 55.431, 134.074**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 55.702, 321.231**, and **4, 32.183, 313.792** is the 20% darker color. If you saturate the color by 10%, you get **17, 56.172, 321.309**, and if you desaturate by 10%, it is **18, 52.659, 321.434**.

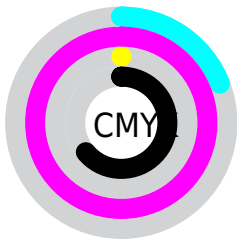
Distribution



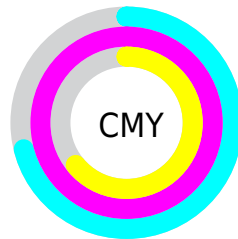
- Red (29%)
- Green (0%)
- Blue (36%)



- Red (29%)
- Yellow (0%)
- Blue (36%)



- Cyan (19%)
- Magenta (99%)
- Yellow (0%)
- Black (64%)





- Cyan (71%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 55.837, 321.315 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 17, 55.837, 321.315 by changing the saturation by 10% instead.

 17, 55.837,
321.315


 17, 55.837,
321.315


 100, 55.837,
321.315


 7, 55.837, 321.315


 37, 55.837,
321.315

 0, 55.837, 321.315

 47, 55.837,
321.315


 57, 55.837,
321.315


 67, 55.837,
321.315


 77, 55.837,
321.315


 87, 55.837,


321.315


 97, 55.837,
321.315

 17, 55.837,
321.315

 17, 55.837,
321.315


 17, 56.172,
321.309

 18, 52.659,
321.434

 20, 49.000,
321.507

 22, 44.250,
321.418

 24, 38.664,
321.204

 26, 32.502,
320.899

■ 29, 25.993,
320.534

■ 31, 19.315,
320.133

■ 34, 12.596,
319.716

■ 37, 5.925, 319.289

Harmonies

Complementary

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



17, 55.837, 321.315



34, 55.431, 134.074

Rectangle

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



17, 55.837, 321.315



17, 55.837, 11.315



17, 55.837, 141.315



17, 55.837, 191.315

Sweetspot

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



17, 55.836, 321.315



40, 24.645, 320.211



11, 52.054, 300.310



19, 16.954, 320.325



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



17, 55.836, 321.315



23, 67.272, 321.112



19, 44.504, 343.339



17, 3.648, 319.281



21, 63.124, 321.176



48, 111.455, 320.748

Inverse Universe

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



17, 42.685, 25.174



24, 52.318, 27.496



34, 48.685, 142.763



17, 2.309, 4.259



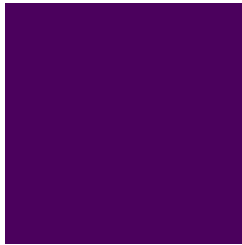
21, 48.876, 26.895



50, 88.961, 30.707

Previews

White Background



This preview shows how the CIELCh color 17, 55.837, 321.315 looks on a white background.

Color Contrast Check

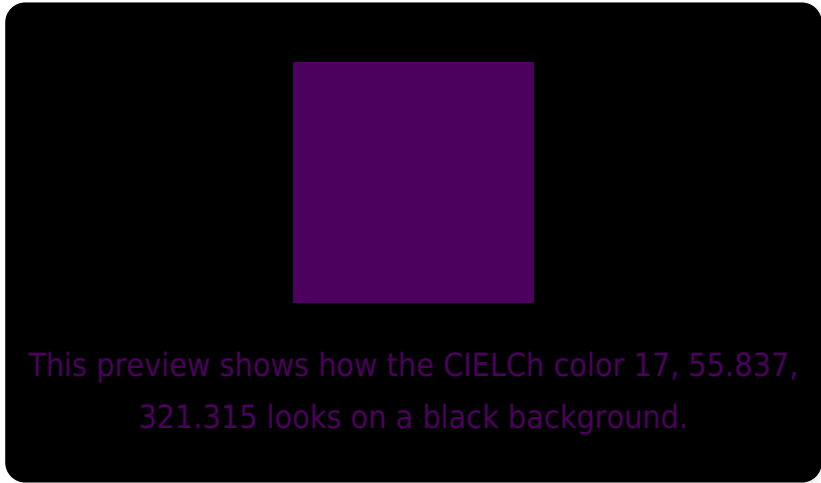
Large Text (above 18pt) WCAG AA ✓ Pass

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

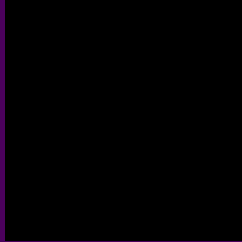
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 55.837, 321.315

Background



This preview shows how black text looks on a background with the CIELCh color 17, 55.837, 321.315.



This preview shows how white text looks on a background with the CIELCh color 17, 55.837, 321.315.

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
17, 55.837, 321.315

Deuteranopia
19, 25.438, 271.249

Tritanopia
18, 15.783, 16.198

Trichromacy

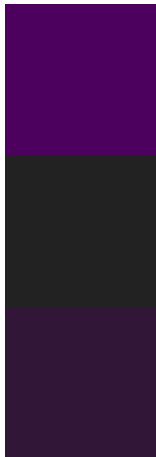


Original Color
17, 55.837, 321.315

Deuteranomaly
15, 39.216, 298.535

Tritanomaly
17, 30.092, 336.052

Monochromacy



Original Color
17, 55.837, 321.315

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 25.596, 321.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 55.837, 321.315 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, 1, 93)` looks like.

```
.text, #text, p{  
    color:rgb(75, 1, 93)  
}
```

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, 1, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 1, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 55.837, 321.315 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, 1, 93) }
```

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

```
.border{ border-color:rgb(75, 1, 93) }
```

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

Here you see how a box with a 4 pixel rgb(75, 1, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 1, 93); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 1, 93); box-shadow:4px  
4px 4px 4px rgb(75, 1, 93) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 55.837, 321.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 1, 93) }
```

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

```
.background{ background-color: rgb(75, 1,  
93) }
```

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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