

Converting Colors

CIELCh(17, 32.955, 334.874)

Have a look what the booklet for
CIELCh(17, 32.955, 334.874)
contains.

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Color

CIELCh(17, 33.033, 335.395)

Conversions

Conversions Part 1

Format	Color
Hex	49153E
RGB	73, 21, 62
RGB Percent	29%, 8%, 24%
CMY	0.7136, 0.9176, 0.7568
CMYK	0.00, 0.71, 0.15, 0.71
HSL	313°, 55%, 18%
HSV	313°, 71%, 29%
XYZ	3.8877, 2.3023, 4.7997
YIQ	41.2220, 17.8310, 23.7750

Conversions

Conversions Part 2

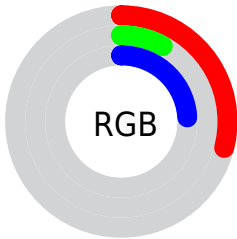
Format	Color
R_{YB}	73, 21, 62
Decimal	4789566
CIE _{Lab}	17.00, 30.03, -13.75
CIE _{LCh}	17, 33.033, 335.395
Yxy	2.3023, 0.3538, 0.2095
Android (android.graphics.Color)	4282979646 (0xFF49153E)
YUV	41.2220, 10.2436, 27.8693
Hunter-Lab	15.1734, 19.1816, -8.1332




Details

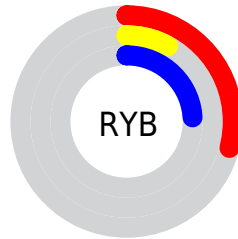
The CIELCh color **17, 33.033, 335.395** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 33.611, 144.542**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 33.418, 335.393**, and **2, 12.888, 337.240** is the 20% darker color. If you saturate the color by 10%, you get **16, 36.045, 336.149**, and if you desaturate by 10%, it is **18, 29.293, 334.689**.

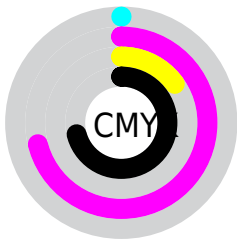
Distribution







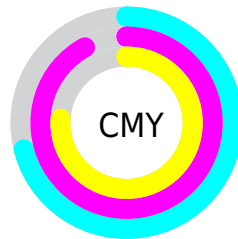
-  Red (29%)
-  Green (8%)
-  Blue (24%)






-  Red (29%)
-  Yellow (8%)
-  Blue (24%)



-  Cyan (0%)
-  Magenta (71%)
-  Yellow (15%)
-  Black (71%)





-  Cyan (71%)
-  Magenta (92%)
-  Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 33.033, 335.395 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, 33.033, 335.395 by changing the saturation by 10% instead.

 17, 33.033,
335.395


 17, 33.033,
335.395


 100, 33.033,
335.395


 7, 33.033, 335.395


 37, 33.033,
335.395

 0, 33.033, 335.395

 47, 33.033,
335.395


 57, 33.033,
335.395


 67, 33.033,
335.395


 77, 33.033,
335.395


 87, 33.033,

335.395


 97, 33.033,
335.395


 17, 33.033,
335.395


 17, 33.033,
335.395


 16, 36.045,
336.149


 18, 29.293,
334.689


 15, 38.322,
336.952

 20, 25.009,
334.016

 14, 40.398,
337.610

 22, 20.357,
333.369

 24, 15.487,
332.742

 26, 10.517,
332.134

■ 28, 5.533, 331.538

■ 31, 0.596, 330.749

■ 33, 4.256, 150.501

■ 35, 8.998, 149.966

Harmonies

Complementary

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



17, 33.033, 335.395



27, 33.611, 144.542

Rectangle

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



17, 33.033, 335.395



17, 33.033, 25.395



17, 33.033, 155.395



17, 33.033, 205.395

Sweetspot

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



17, 33.032, 335.395



34, 12.880, 332.169



11, 37.303, 304.473



16, 8.794, 332.248



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 33.032, 335.395



21, 44.851, 336.717



16, 26.381, 6.018



13, 2.695, 331.378



21, 49.627, 338.125



51, 89.662, 339.045

Inverse Universe

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



17, 33.032, 335.395



21, 44.851, 336.717



27, 21.952, 168.556



13, 2.695, 331.378



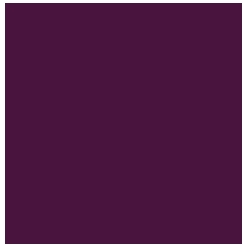
21, 49.627, 338.125



51, 89.662, 339.045

Previews

White Background



This preview shows how the CIELCh color 17, 33.033, 335.395 looks on a white background.

Color Contrast Check

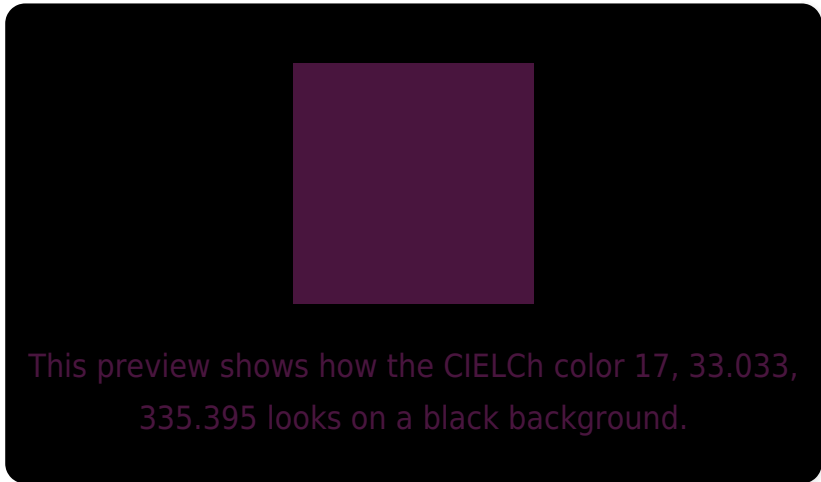
Large Text (above 18pt) WCAG AA ✓ Pass

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

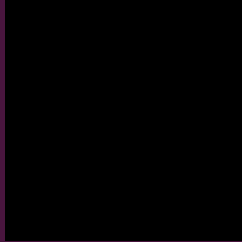
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 33.033, 335.395

Background



This preview shows how black text looks on a background with the CIELCh color 17, 33.033, 335.395.



This preview shows how white text looks on a background with the CIELCh color 17, 33.033, 335.395.

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, 33.033, 335.395

Protanopia

18, 26.461, 285.013

Deuteranopia

18, 11.138, 284.506



Tritanopia
17, 20.869, 21.691

Trichromacy



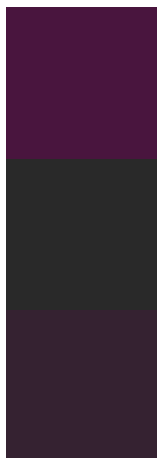
Original Color
17, 33.033, 335.395

Protanomaly
16, 27.436, 302.621

Deuteranomaly
17, 18.700, 315.369

Tritanomaly
17, 23.027, 359.130

Monochromacy



Original Color
17, 33.033, 335.395

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 13.607, 332.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 33.033, 335.395 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(73, 21, 62)` looks like.

```
.text, #text, p{  
    color:rgb(73, 21, 62)  
}
```

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(73, 21, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 21, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 33.033, 335.395 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(73, 21, 62) }
```

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

```
.border{ border-color:rgb(73, 21, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 21, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 21, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 21, 62);  
box-shadow:4px 4px 4px 4px rgb(73, 21, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 33.033, 335.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 21, 62) }
```

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

```
.background{ background-color: rgb(73, 21,  
62) }
```

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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