

Converting Colors

CIELCh(17, 54.413, 319.376)

Have a look what the booklet for
CIELCh(17, 54.413, 319.376)
contains.

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Color

CIELCh(17, 54.545, 319.166)

Conversions

Conversions Part 1

Format	Color
Hex	47075E
RGB	71, 7, 94
RGB Percent	28%, 3%, 37%
CMY	0.7214, 0.9724, 0.6313
CMYK	0.24, 0.93, 0.00, 0.63
HSL	284°, 86%, 20%
HSV	284°, 93%, 37%
XYZ	4.6991, 2.3023, 10.7936
YIQ	36.0540, 10.2170, 40.6250

Conversions

Conversions Part 2

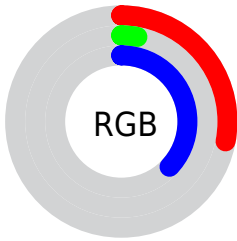
Format	Color
RYB	71, 7, 94
Decimal	4654942
CIELab	17.00, 41.27, -35.67
CIELCh	17, 54.545, 319.166
Yxy	2.3023, 0.2641, 0.1294
Android (android.graphics.Color)	4282845022 (0xFF47075E)
YUV	36.0540, 28.5674, 30.6476
Hunter-Lab	15.1734, 28.7262, -31.5545

Details

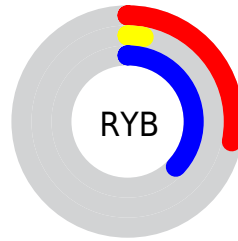
The CIELCh color **17, 54.545, 319.166** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **35, 52.931, 133.112**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 54.774, 319.304**, and **4, 32.297, 310.235** is the 20% darker color. If you saturate the color by 10%, you get **16, 57.193, 319.074**, and if you desaturate by 10%, it is **18, 50.987, 319.337**.

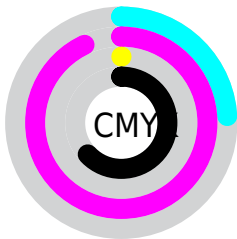
Distribution



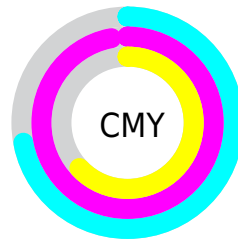
- Red (28%)
- Green (3%)
- Blue (37%)



- Red (28%)
- Yellow (3%)
- Blue (37%)



- Cyan (24%)
- Magenta (93%)
- Yellow (0%)
- Black (63%)




- Cyan (72%)
- Magenta (97%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 54.545, 319.166 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, 54.545, 319.166 by changing the saturation by 10% instead.

 17, 54.545,
319.166

 17, 54.545,
319.166


 100, 54.545,
319.166


 7, 54.545, 319.166

 37, 54.545,
319.166

 0, 54.545, 319.166

 47, 54.545,
319.166

 57, 54.545,
319.166

 67, 54.545,
319.166

 77, 54.545,
319.166


 87, 54.545,


319.166


 97, 54.545,
319.166


 17, 54.545,
319.166


 17, 54.545,
319.166


 16, 57.193,
319.074

 18, 50.987,
319.337

 20, 46.354,
319.324

 23, 40.831,
319.158

 25, 34.702,
318.882

 28, 28.211,
318.535

■ 30, 21.546,
318.147

■ 33, 14.840,
317.741

■ 36, 8.182, 317.330

■ 39, 1.630, 316.881

Harmonies

Complementary

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



17, 54.545, 319.166



35, 52.931, 133.112

Rectangle

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



17, 54.545, 319.166



17, 54.545, 9.166



17, 54.545, 139.166



17, 54.545, 189.166

Sweetspot

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



17, 54.544, 319.166



41, 23.018, 318.000



14, 44.652, 295.695



19, 15.762, 318.118



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, 54.544, 319.166



22, 69.008, 318.817



20, 45.587, 338.571



17, 3.580, 317.176



19, 63.766, 318.918



46, 112.710, 318.376

Inverse Universe

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



18, 39.602, 17.260



25, 51.188, 22.018



34, 49.219, 141.594



17, 2.374, 359.175



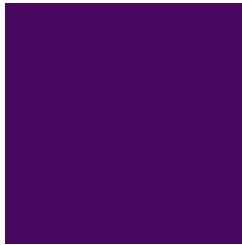
22, 47.129, 21.266



50, 85.122, 25.244

Previews

White Background



This preview shows how the CIE LCh color 17, 54.545, 319.166 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



This preview shows how the CIE LCh color 17, 54.545, 319.166 looks on a 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, 54.545, 319.166

Background



This preview shows how black text looks on a background with the CIELCh color 17, 54.545, 319.166.



This preview shows how white text looks on a background with the CIELCh color 17, 54.545, 319.166.

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, 54.545, 319.166

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 24.288, 269.736



Tritanopia
18, 13.203, 13.960

Trichromacy



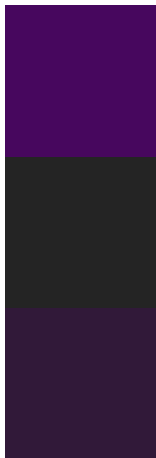
Original Color
17, 54.545, 319.166

Protanomaly
15, 43.120, 299.022

Deuteranomaly
15, 36.420, 296.570

Tritanomaly
17, 27.894, 332.154

Monochromacy



Original Color
17, 54.545, 319.166

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 24.521, 319.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 54.545, 319.166 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(71, 7, 94)` looks like.

```
.text, #text, p{  
    color:rgb(71, 7, 94)  
}
```

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(71, 7, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 7, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 54.545, 319.166 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(71, 7, 94) }
```

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

```
.border{ border-color:rgb(71, 7, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 7, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 7, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 7, 94); box-shadow:4px  
4px 4px 4px rgb(71, 7, 94) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 54.545, 319.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 7, 94) }
```

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

```
.background{ background-color: rgb(71, 7,  
94) }
```

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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