

Converting Colors

CIELCh(17, 85.701, 305.730)

Have a look what the booklet for
CIELCh(17, 85.701, 305.730)
contains.

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Color

CIELCh(17, 85.630, 305.755)

Conversions

Conversions Part 1

Format	Color
Hex	090792
RGB	9, 7, 146
RGB Percent	4%, 3%, 57%
CMY	0.9643, 0.9713, 0.4263
CMYK	0.94, 0.95, 0.00, 0.43
HSL	241°, 90%, 30%
HSV	241°, 95%, 57%
XYZ	5.4052, 2.3023, 27.4777
YIQ	23.4440, -43.4270, 43.6530

Conversions

Conversions Part 2

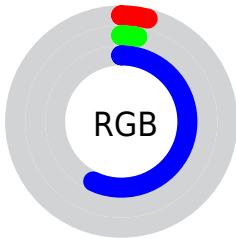
Format	Color
RYB	9, 7, 146
Decimal	591762
CIELab	17.00, 50.04, -69.49
CIELCh	17, 85.630, 305.755
Yxy	2.3023, 0.1536, 0.0654
Android (android.graphics.Color)	4278781842 (0xFF090792)
YUV	23.4440, 60.4201, -12.6674
Hunter-Lab	15.1734, 37.0327, -96.7473

Details

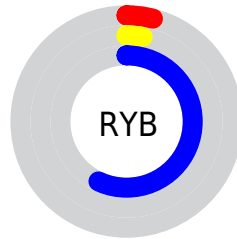
The CIELCh color **17, 85.630, 305.755** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 62.941, 103.732**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 85.674, 305.834**, and **7, 64.406, 306.240** is the 20% darker color. If you saturate the color by 10%, you get **16, 88.373, 306.338**, and if you desaturate by 10%, it is **19, 79.390, 304.466**.

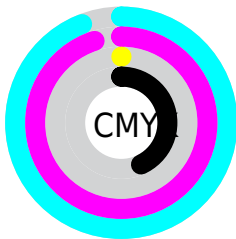
Distribution



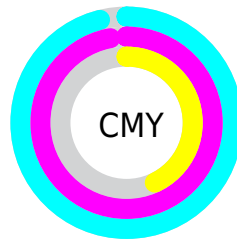
- Red (4%)
- Green (3%)
- Blue (57%)



- Red (4%)
- Yellow (3%)
- Blue (57%)



- Cyan (94%)
- Magenta (95%)
- Yellow (0%)
- Black (43%)



- Cyan (96%)
- Magenta (97%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 85.630, 305.755 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, 85.630, 305.755 by changing the saturation by 10% instead.

■ 17, 85.630,
305.755

■ 17, 85.630,
305.755

■ 100, 85.630,
305.755

■ 7, 85.630, 305.755

■ 37, 85.630,
305.755

■ 0, 85.630, 305.755

■ 47, 85.630,
305.755


■ 57, 85.630,
305.755


■ 67, 85.630,
305.755


■ 77, 85.630,
305.755


■ 87, 85.630,

305.755


 97, 85.630,
305.755


 17, 85.630,
305.755


 17, 85.630,
305.755


 16, 88.373,
306.338

 19, 79.390,
304.466

 23, 70.688,
302.639

 27, 60.788,
300.568

 32, 50.608,
298.508

 37, 40.597,
296.607

■ 42, 30.927,
294.925

■ 48, 21.638,
293.469

■ 53, 12.725,
292.224

■ 58, 4.165, 291.169

Harmonies

Complementary

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



17, 85.630, 305.755



59, 62.941, 103.732

Rectangle

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



17, 85.630, 305.755



17, 85.630, 355.755



17, 85.630, 125.755



17, 85.630, 175.755

Sweetspot

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



17, 85.632, 305.756



59, 31.525, 294.112



55, 32.790, 196.415



28, 21.980, 294.693



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



17, 85.632, 305.756



23, 107.716, 306.324



23, 80.091, 312.256



28, 4.781, 291.590



15, 84.553, 306.341



0, 4.114, 290.686

Inverse Universe

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



35, 74.581, 328.673



45, 92.145, 328.752



54, 70.244, 127.355



29, 5.725, 325.256



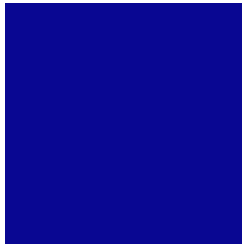
32, 72.371, 328.739



1, 4.979, 324.783

Previews

White Background



This preview shows how the CIELCh color 17, 85.630, 305.755 looks on a white background.

Color Contrast Check

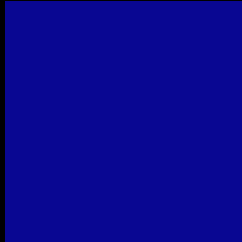
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 17, 85.630, 305.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

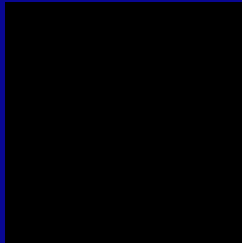
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 85.630, 305.755

Background



This preview shows how black text looks on a background with the CIELCh color 17, 85.630, 305.755.



This preview shows how white text looks on a background with the CIELCh color 17, 85.630, 305.755.

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, 85.596, 305.784

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 23.166, 267.441



Tritanopia
18, 15.574, 201.652

Trichromacy



Original Color
17, 85.596, 305.784

Protanomaly
16, 54.856, 298.311

Deuteranomaly
16, 48.466, 295.925

Tritanomaly
15, 36.686, 289.936

Monochromacy



Original Color
17, 85.596, 305.784

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 36.615, 301.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 85.630, 305.755 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(9, 7, 146)` looks like.

```
.text, #text, p{  
    color:rgb(9, 7, 146)  
}
```

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(9, 7, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 7, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 85.630, 305.755 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(9, 7, 146) }
```

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

```
.border{ border-color:rgb(9, 7, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 7, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 7, 146); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 7, 146); box-shadow:4px  
4px 4px 4px rgb(9, 7, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 85.630, 305.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 7, 146) }
```

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

```
.background{ background-color: rgb(9, 7,  
146) }
```

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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