

Converting Colors

CIELCh(10, 57.960, 306.097)

Have a look what the booklet for
CIELCh(10, 57.960, 306.097)
contains.

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Color

CIELCh(10, 57.899, 306.120)

Conversions

Conversions Part 1

Format	Color
Hex	15085D
RGB	21, 8, 93
RGB Percent	8%, 3%, 36%
CMY	0.9173, 0.9685, 0.6351
CMYK	0.77, 0.91, 0.00, 0.64
HSL	249°, 84%, 20%
HSV	249°, 91%, 36%
XYZ	2.3761, 1.1260, 10.4597
YIQ	21.5770, -19.5370, 29.1910

Conversions

Conversions Part 2

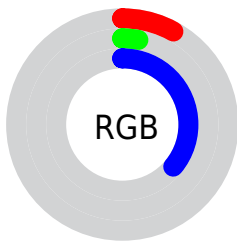
Format	Color
R_{YB}	21, 8, 93
Decimal	1378397
CIE _{Lab}	10.00, 34.13, -46.77
CIE _{LCh}	10, 57.899, 306.120
Yxy	1.1260, 0.1702, 0.0806
Android (android.graphics.Color)	4279568477 (0xFF15085D)
YUV	21.5770, 35.2115, -0.5060
Hunter-Lab	10.6114, 21.3995, -51.0146

Details

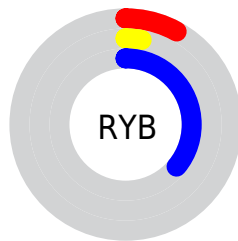
The CIELCh color **10, 57.899, 306.120** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 44.643, 111.508**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 57.728, 306.292**, and **2, 27.548, 293.137** is the 20% darker color. If you saturate the color by 10%, you get **8, 63.006, 307.330**, and if you desaturate by 10%, it is **12, 52.316, 305.068**.

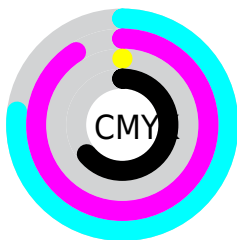
Distribution



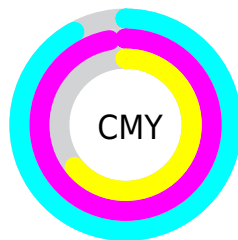
- Red (8%)
- Green (3%)
- Blue (36%)



- Red (8%)
- Yellow (3%)
- Blue (36%)



- Cyan (77%)
- Magenta (91%)
- Yellow (0%)
- Black (64%)



- Cyan (92%)
- Magenta (97%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 57.899, 306.120 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 10, 57.899, 306.120 by changing the saturation by 10% instead.

■ 10, 57.899,
306.120

■ 10, 57.899,
306.120

■ 100, 57.899,
306.120

■ 0, 57.899, 306.120

■ 30, 57.899,
306.120

■ 40, 57.899,
306.120


■ 50, 57.899,
306.120


■ 60, 57.899,
306.120


■ 70, 57.899,
306.120

■ 80, 57.899,


306.120


 90, 57.899,
306.120

 10, 57.899,
306.120


 10, 57.899,
306.120


 8, 63.006, 307.330

 12, 52.316,
305.068

 15, 45.867,
303.791

 18, 39.056,
302.438

 22, 32.211,
301.125

 25, 25.497,
299.910

■ 29, 18.984,
298.819

■ 32, 12.695,
297.856

■ 36, 6.631, 297.014

■ 39, 0.784, 296.284

Harmonies

Complementary

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



10, 57.899, 306.120



37, 44.643, 111.508

Rectangle

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



10, 57.899, 306.120



10, 57.899, 356.120



10, 57.899, 126.120



10, 57.899, 176.120

Sweetspot

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



10, 57.900, 306.121



39, 20.003, 298.464



31, 20.306, 220.906



18, 13.638, 298.677



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



10, 57.900, 306.121



13, 75.555, 307.132



16, 54.221, 316.596



17, 3.220, 296.817



11, 70.847, 307.195



31, 125.577, 306.825

Inverse Universe

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



20, 47.584, 334.363



27, 58.911, 335.137



35, 50.977, 131.160



17, 3.480, 329.408



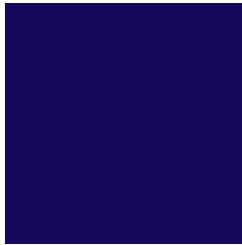
24, 55.353, 335.059



54, 96.856, 335.582

Previews

White Background



This preview shows how the CIE LCh color 10, 57.899, 306.120 looks on a white background.

Color Contrast Check

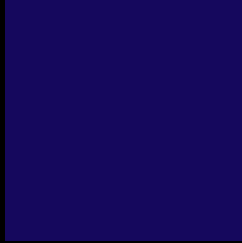
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 57.899, 306.120 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 10, 57.899, 306.120

Background



This preview shows how black text looks on a background with the CIELCh color 10, 57.899, 306.120.



This preview shows how white text looks on a background with the CIELCh color 10, 57.899, 306.120.

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

10, 57.899, 306.120

Protanopia

11, 23.923, 279.729

Deuteranopia

11, 17.115, 263.564



Tritanopia
11, 12.100, 203.603

Trichromacy



Original Color
10, 57.899, 306.120

Protanomaly
10, 37.945, 296.985

Deuteranomaly
10, 32.319, 293.657

Tritanomaly
9, 23.899, 287.272

Monochromacy



Original Color
10, 57.899, 306.120

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 23.390, 301.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 57.899, 306.120 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(21, 8, 93)` looks like.

```
.text, #text, p{  
    color:rgb(21, 8, 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(21, 8, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 8, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 57.899, 306.120 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(21, 8, 93) }
```

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

```
.border{ border-color:rgb(21, 8, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 8, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 8, 93); -webkit-box-shadow:4px  
4px 4px 4px rgb(21, 8, 93); box-shadow:4px  
4px 4px 4px rgb(21, 8, 93) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 57.899, 306.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 8, 93) }
```

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

```
.background{ background-color: rgb(21, 8,  
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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