

Converting Colors

CIELCh(10, 57.068, 304.035)

Have a look what the booklet for
CIELCh(10, 57.068, 304.035)
contains.

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Color

CIELCh(10, 56.933, 303.961)

Conversions

Conversions Part 1

Format	Color
Hex	0A0C5E
RGB	10, 12, 94
RGB Percent	4%, 5%, 37%
CMY	0.9593, 0.9540, 0.6326
CMYK	0.89, 0.87, 0.00, 0.63
HSL	239°, 80%, 20%
HSV	239°, 89%, 37%
XYZ	2.2645, 1.1260, 10.6151
YIQ	20.7500, -27.5140, 25.0780

Conversions

Conversions Part 2

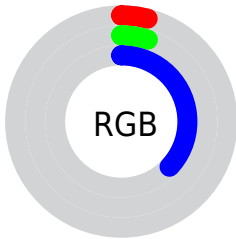
Format	Color
R_{YB}	10, 12, 94
Decimal	658526
CIE Lab	10.00, 31.80, -47.22
CIE LCh	10, 56.933, 303.961
Yxy	1.1260, 0.1617, 0.0804
Android (android.graphics.Color)	4278848606 (0xFF0A0C5E)
YUV	20.7500, 36.1123, -9.4277
Hunter-Lab	10.6114, 19.5221, -51.8828

Details

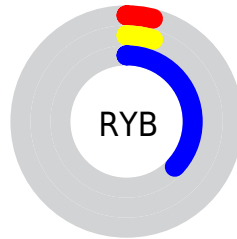
The CIELCh color **10, 56.933, 303.961** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 43.197, 102.378**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 56.994, 303.733**, and **3, 27.892, 293.046** is the 20% darker color. If you saturate the color by 10%, you get **8, 62.635, 305.647**, and if you desaturate by 10%, it is **12, 50.816, 302.061**.

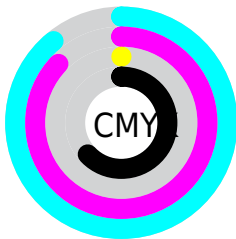
Distribution



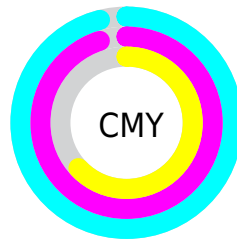
- Red (4%)
- Green (5%)
- Blue (37%)



- Red (4%)
- Yellow (5%)
- Blue (37%)



- Cyan (89%)
- Magenta (87%)
- Yellow (0%)
- Black (63%)



- Cyan (96%)
- Magenta (95%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 56.933, 303.961 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, 56.933, 303.961 by changing the saturation by 10% instead.

■ 10, 56.933,
303.961

■ 10, 56.933,
303.961

■ 100, 56.933,
303.961

■ 0, 56.933, 303.961

■ 30, 56.933,
303.961

■ 40, 56.933,
303.961


■ 50, 56.933,
303.961


■ 60, 56.933,
303.961


■ 70, 56.933,
303.961

■ 80, 56.933,


303.961

 90, 56.933,
303.961


 10, 56.933,
303.961

 10, 56.933,
303.961


 8, 62.635, 305.647


 12, 50.816,
302.061

 8, 63.299, 305.833

 15, 43.998,
299.962

 19, 37.026,
297.887

 22, 30.170,
295.968

 26, 23.536,
294.258

■ 29, 17.152,
292.768

■ 33, 11.012,
291.483

■ 37, 5.104, 290.383

■ 40, 0.591, 109.358

Harmonies

Complementary

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



10, 56.933, 303.961



38, 43.197, 102.378

Rectangle

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



10, 56.933, 303.961



10, 56.933, 353.961



10, 56.933, 123.961



10, 56.933, 173.961

Sweetspot

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



10, 56.934, 303.962



39, 19.901, 292.619



36, 23.449, 194.309



18, 13.338, 292.906



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, 56.934, 303.962



12, 76.822, 305.965



14, 54.685, 312.139



17, 3.146, 290.369



10, 70.912, 305.922



30, 125.997, 306.143

Inverse Universe

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



18, 42.816, 32.955



24, 58.581, 37.345



35, 48.021, 126.033



17, 2.233, 18.496



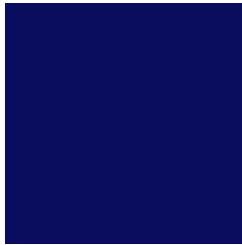
21, 53.367, 36.208



50, 98.314, 39.505

Previews

White Background



This preview shows how the CIELCh color 10, 56.933, 303.961 looks on a white background.

Color Contrast Check

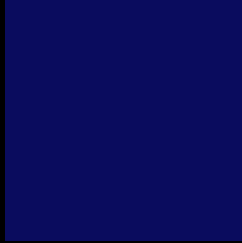
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.933, 303.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

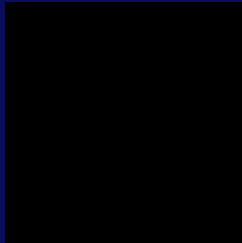
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 56.933, 303.961

Background



This preview shows how black text looks on a background with the CIELCh color 10, 56.933, 303.961.



This preview shows how white text looks on a background with the CIELCh color 10, 56.933, 303.961.

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, 56.975, 303.869

Protanopia

11, 23.923, 279.729

Tritanopia

11, 12.100, 203.603

Trichromacy



Original Color
10, 56.975, 303.869

Protanomaly
10, 36.481, 294.597

Tritanomaly
9, 23.282, 283.748

Monochromacy



Original Color
10, 56.975, 303.869

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 21.807, 296.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 56.933, 303.961 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(10, 12, 94)` looks like.

```
.text, #text, p{  
    color:rgb(10, 12, 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(10, 12, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 12, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 56.933, 303.961 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(10, 12, 94) }
```

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

```
.border{ border-color:rgb(10, 12, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 12, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 12, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 12, 94);  
box-shadow:4px 4px 4px 4px rgb(10, 12, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 56.933, 303.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 12, 94) }
```

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

```
.background{ background-color: rgb(10, 12,  
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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