

Converting Colors

CIELCh(10, 50.587, 315.829)

Have a look what the booklet for
CIELCh(10, 50.587, 315.829)
contains.

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Color

CIELCh(10, 50.328, 315.935)

Conversions

Conversions Part 1

Format	Color
Hex	2F004C
RGB	47, 0, 76
RGB Percent	18%, 0%, 30%
CMY	0.8157, 1.0000, 0.7020
CMYK	0.38, 1.00, 0.00, 0.70
HSL	277°, 100%, 15%
HSV	277°, 100%, 30%
XYZ	2.4766, 1.1260, 6.9240
YIQ	22.7170, 3.6160, 33.6000

Conversions

Conversions Part 2

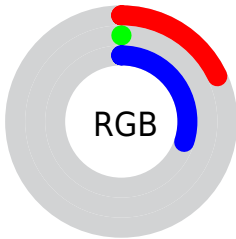
Format	Color
RYB	47, 0, 76
Decimal	3080268
CIELab	10.00, 36.16, -35.00
CIElCh	10, 50.328, 315.935
Yxy	1.1260, 0.2353, 0.1070
Android (android.graphics.Color)	4281270348 (0xFF2F004C)
YUV	22.7170, 26.2685, 21.2962
Hunter-Lab	10.6114, 23.0902, -31.2592

Details

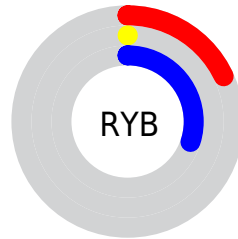
The CIELCh color **10, 50.328, 315.935** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **28, 46.301, 129.964**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 50.345, 315.722**, and **1, 16.932, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **10, 50.327, 315.935**, and if you desaturate by 10%, it is **12, 46.171, 315.792**.

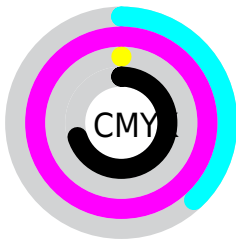
Distribution



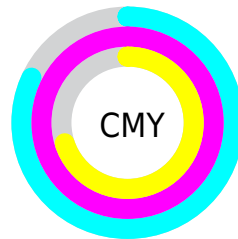
- Red (18%)
- Green (0%)
- Blue (30%)



- Red (18%)
- Yellow (0%)
- Blue (30%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (70%)



- Cyan (82%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 50.328, 315.935 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, 50.328, 315.935 by changing the saturation by 10% instead.

■ 10, 50.328,
315.935

■ 10, 50.328,
315.935

■ 100, 50.328,
315.935

■ 0, 50.328, 315.935

■ 30, 50.328,
315.935

■ 40, 50.328,
315.935


■ 50, 50.328,
315.935


■ 60, 50.328,
315.935


■ 70, 50.328,
315.935


■ 80, 50.328,


315.935


 90, 50.328,
315.935


 10, 50.328,
315.935


 10, 50.328,
315.935


 10, 50.327,
315.935

 12, 46.171,
315.792

 13, 42.318,
315.822

 15, 37.764,
315.687

 17, 32.689,
315.421

 20, 27.309,
315.072

■ 22, 21.787,
314.678

■ 25, 16.235,
314.267

■ 27, 10.727,
313.856

■ 30, 5.308, 313.454

Harmonies

Complementary

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



10, 50.328, 315.935



28, 46.301, 129.964

Rectangle

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



10, 50.328, 315.935



10, 50.328, 5.935



10, 50.328, 135.935



10, 50.328, 185.935

Sweetspot

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



10, 50.327, 315.935



33, 20.302, 314.314



12, 33.825, 289.421



15, 13.988, 314.409



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



10, 50.327, 315.935



15, 60.727, 315.546



15, 44.299, 332.957



14, 2.974, 313.401



16, 61.830, 315.513



40, 112.486, 314.771

Inverse Universe

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



13, 35.176, 7.946



19, 42.408, 10.030



27, 46.989, 138.505



14, 2.162, 351.204



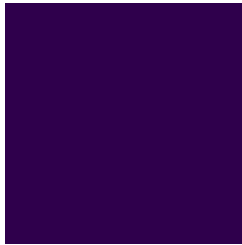
20, 43.178, 10.206



49, 78.782, 14.282

Previews

White Background



This preview shows how the CIE LCh color 10, 50.328, 315.935 looks on a white background.

Color Contrast Check

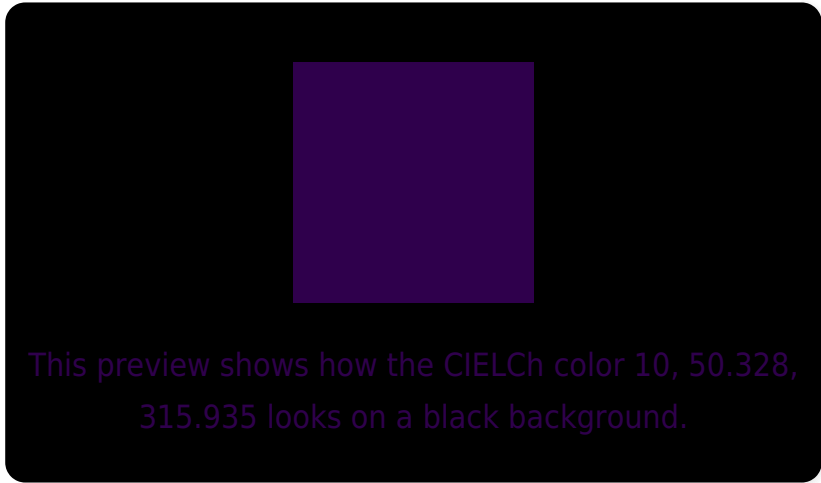
Large Text (above 18pt) WCAG AA ✓ Pass

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

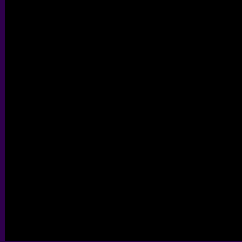
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 50.328, 315.935

Background



This preview shows how black text looks on a background with the CIELCh color 10, 50.328, 315.935.



This preview shows how white text looks on a background with the CIELCh color 10, 50.328, 315.935.

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, 50.328, 315.935

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 4.309, 1.127

Trichromacy



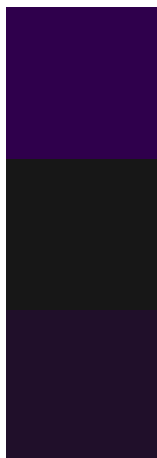
Original Color
10, 50.328, 315.935

Protanomaly
9, 35.814, 299.225

Deuteranomaly
9, 30.944, 297.374

Tritanomaly
10, 22.822, 319.635

Monochromacy



Original Color
10, 50.328, 315.935

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 21.260, 315.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 50.328, 315.935 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(47, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(47, 0, 76)  
}
```

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(47, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 0, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 50.328, 315.935 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(47, 0, 76) }
```

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

```
.border{ border-color:rgb(47, 0, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 0, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 0, 76); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 0, 76); box-shadow:4px  
4px 4px 4px rgb(47, 0, 76) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 50.328, 315.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 0, 76) }
```

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

```
.background{ background-color: rgb(47, 0,  
76) }
```

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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