

Converting Colors

CIELCh(0, 82.657, 324.594)

Have a look what the booklet for
CIELCh(0, 82.657, 324.594) contains.

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Color

CIELCh(10, 47.257, 318.888)

Conversions

Conversions Part 1

Format	Color
Hex	320046
RGB	50, 0, 70
RGB Percent	20%, 0%, 27%
CMY	0.8024, 1.0000, 0.7239
CMYK	0.28, 1.00, 0.00, 0.72
HSL	283°, 100%, 14%
HSV	283°, 100%, 28%
XYZ	2.4487, 1.1260, 5.9512
YIQ	22.9300, 7.3300, 32.3700

Conversions

Conversions Part 2

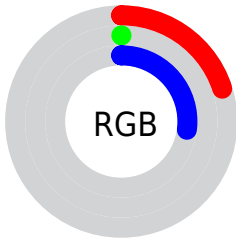
Format	Color
R_YB	50, 0, 70
Decimal	3276870
CIE Lab	10.00, 35.60, -31.07
CIE LCh	10, 47.257, 318.888
Yxy	1.1260, 0.2571, 0.1182
Android (android.graphics.Color)	4281466950 (0xFF320046)
YUV	22.9300, 23.2055, 23.7404
Hunter-Lab	10.6114, 22.6210, -25.8238

Details

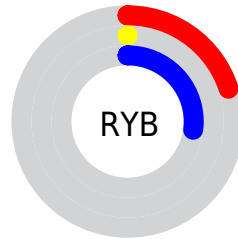
The CIELCh color **10, 47.257, 318.888** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 44.834, 132.192**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 46.758, 318.890**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **10, 47.012, 318.822**, and if you desaturate by 10%, it is **12, 43.222, 318.711**.

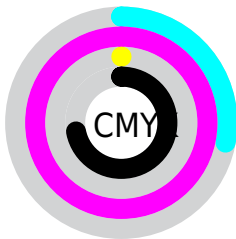
Distribution



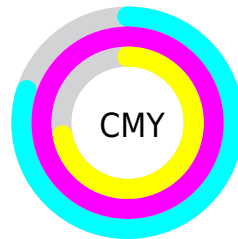
- Red (20%)
- Green (0%)
- Blue (27%)



- Red (20%)
- Yellow (0%)
- Blue (27%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (72%)



- Cyan (80%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 47.257, 318.888 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, 47.257, 318.888 by changing the saturation by 10% instead.

■ 10, 47.257,
318.888

■ 10, 47.257,
318.888

■ 100, 47.257,
318.888

■ 0, 47.257, 318.888

■ 30, 47.257,
318.888

■ 40, 47.257,
318.888

■ 50, 47.257,
318.888


■ 60, 47.257,
318.888

■ 70, 47.257,
318.888


■ 80, 47.257,


318.888


 90, 47.257,
318.888


 10, 47.257,
318.888


 10, 47.257,
318.888


 10, 47.012,
318.822

 12, 43.222,
318.711

 13, 39.739,
318.738

 15, 35.628,
318.635

 16, 30.978,
318.411

 19, 25.984,
318.106

■ 21, 20.802,
317.751

■ 23, 15.546,
317.369

■ 25, 10.295,
316.977

■ 28, 5.104, 316.584

Harmonies

Complementary

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



10, 47.257, 318.888



26, 44.834, 132.192

Rectangle

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



10, 47.257, 318.888



10, 47.257, 8.888



10, 47.257, 138.888



10, 47.257, 188.888

Sweetspot

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



10, 47.012, 318.822



30, 19.385, 317.415



9, 36.321, 294.294



13, 13.043, 317.487



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



10, 47.012, 318.822



15, 56.417, 318.482



13, 39.770, 336.930



13, 2.873, 316.529



17, 59.685, 318.392



43, 109.411, 317.744

Inverse Universe

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



12, 33.862, 15.439



17, 40.993, 18.167



25, 42.480, 140.619



13, 1.933, 357.702



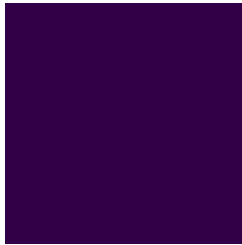
19, 43.467, 18.808



48, 81.331, 23.352

Previews

White Background



This preview shows how the CIELCh color 10, 47.257, 318.888 looks on a white background.

Color Contrast Check

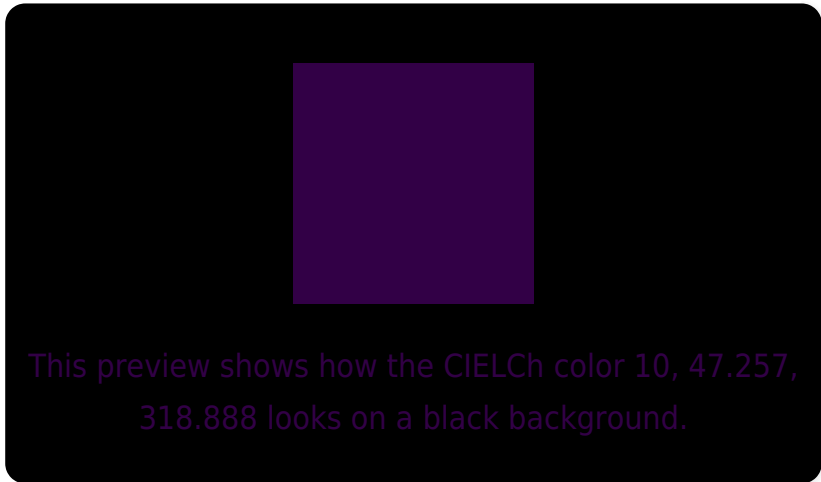
Large Text (above 18pt) WCAG AA ✓ Pass

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

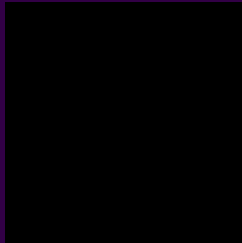
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 47.257, 318.888

Background



This preview shows how black text looks on a background with the CIELCh color 10, 47.257, 318.888.



This preview shows how white text looks on a background with the CIELCh color 10, 47.257, 318.888.

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](#).

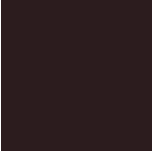
Dichromacy



Original Color
10, 46.836, 318.787

Protanopia
12, 25.143, 280.179

Deuteranopia
12, 18.891, 266.998



Tritanopia
12, 8.454, 12.226

Trichromacy



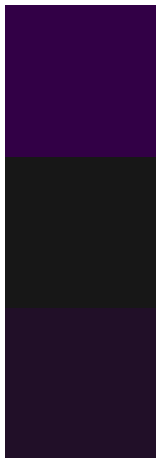
Original Color
10, 46.836, 318.787

Protanomaly
9, 34.439, 299.265

Deuteranomaly
9, 30.229, 297.613

Tritanomaly
11, 22.526, 328.088

Monochromacy



Original Color
10, 46.836, 318.787

Achromatopsia
8, 0.002, 296.812

Achromatomaly
7, 20.060, 318.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 47.257, 318.888 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(50, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 70)  
}
```

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(50, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 47.257, 318.888 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(50, 0, 70) }
```

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

```
.border{ border-color:rgb(50, 0, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 0, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 0, 70); box-shadow:4px  
4px 4px 4px rgb(50, 0, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 47.257, 318.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 70) }
```

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

```
.background{ background-color: rgb(50, 0,  
70) }
```

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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