

Converting Colors

CIELCh(10, 36.687, 317.843)

Have a look what the booklet for
CIELCh(10, 36.687, 317.843)
contains.

CIELCh(10, 36.687, 317.843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(10, 36.687, 317.843)

Conversions

Conversions Part 1

Format	Color
Hex	2D0A3D
RGB	45, 10, 61
RGB Percent	18%, 4%, 24%
CMY	0.8225, 0.9598, 0.7598
CMYK	0.26, 0.83, 0.00, 0.76
HSL	281°, 71%, 14%
HSV	281°, 83%, 24%
XYZ	2.0538, 1.1260, 4.5593
YIQ	26.2790, 4.4890, 23.2810

Conversions

Conversions Part 2

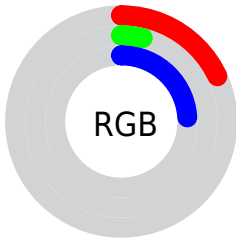
Format	Color
R_{YB}	45, 10, 61
Decimal	2951741
CIE Lab	10.00, 27.20, -24.62
CIE LCh	10, 36.687, 317.843
Yxy	1.1260, 0.2654, 0.1455
Android (android.graphics.Color)	4281141821 (0xFF2D0A3D)
YUV	26.2790, 17.1175, 16.4183
Hunter-Lab	10.6114, 15.9780, -18.0466

Details

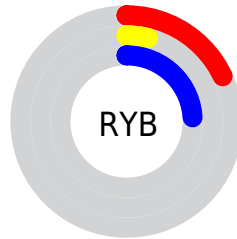
The CIELCh color **10, 36.687, 317.843** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 34.942, 131.999**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 36.863, 317.817**, and **1, 6.483, 287.727** is the 20% darker color. If you saturate the color by 10%, you get **9, 40.253, 317.959**, and if you desaturate by 10%, it is **11, 33.046, 317.756**.

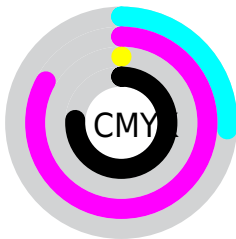
Distribution



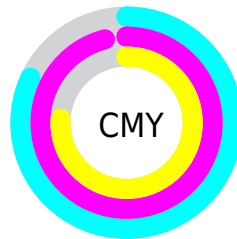
- Red (18%)
- Green (4%)
- Blue (24%)



- Red (18%)
- Yellow (4%)
- Blue (24%)



- Cyan (26%)
- Magenta (83%)
- Yellow (0%)
- Black (76%)



- Cyan (82%)
- Magenta (96%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 36.687, 317.843 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, 36.687, 317.843 by changing the saturation by 10% instead.

■ 10, 36.687,
317.843

■ 10, 36.687,
317.843

■ 100, 36.687,
317.843

■ 0, 36.687, 317.843

■ 30, 36.687,
317.843

■ 40, 36.687,
317.843


■ 50, 36.687,
317.843


■ 60, 36.687,
317.843


■ 70, 36.687,
317.843

■ 80, 36.687,


317.843

 90, 36.687,
317.843


 10, 36.687,
317.843


 10, 36.687,
317.843


 9, 40.253, 317.959


 11, 33.046,
317.756

 8, 42.986, 318.157

 13, 28.930,
317.545

 15, 24.508,
317.250

 17, 19.917,
316.904

 19, 15.257,
316.531

■ 21, 10.599,
316.148

■ 23, 5.988, 315.766

■ 25, 1.455, 315.362

■ 27, 2.982, 135.094

Harmonies

Complementary

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



10, 36.687, 317.843



22, 34.942, 131.999

Rectangle

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



10, 36.687, 317.843



10, 36.687, 7.843



10, 36.687, 137.843



10, 36.687, 187.843

Sweetspot

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



10, 36.686, 317.843



27, 14.129, 316.258



10, 25.639, 288.158



12, 9.737, 316.309



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



10, 36.686, 317.843



12, 51.102, 317.789



12, 32.591, 334.820



10, 2.496, 315.581



15, 57.794, 317.559



41, 108.144, 316.819

Inverse Universe

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



11, 26.072, 7.602



14, 36.498, 14.290



22, 33.772, 142.369



10, 1.717, 355.623



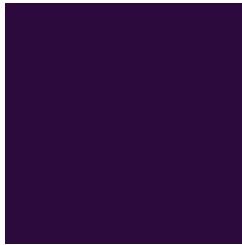
18, 41.412, 15.793



47, 78.726, 20.611

Previews

White Background



This preview shows how the CIELCh color 10, 36.687, 317.843 looks on a white background.

Color Contrast Check

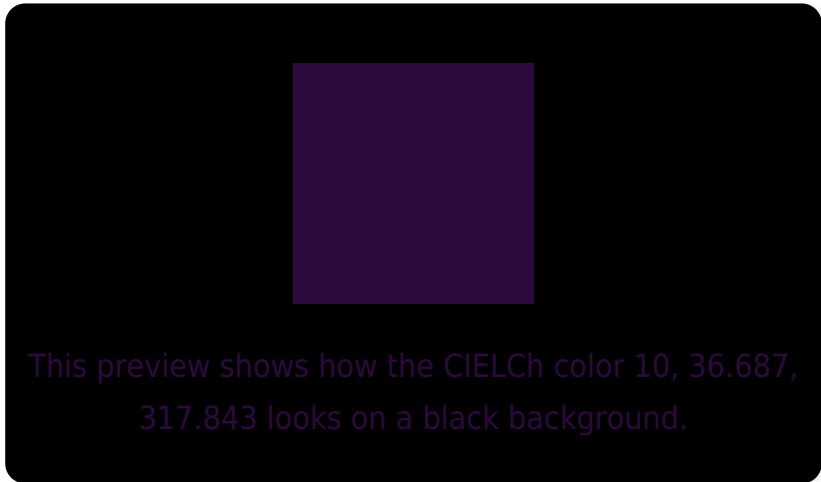
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.687, 317.843

Background



This preview shows how black text looks on a background with the CIELCh color 10, 36.687, 317.843.



This preview shows how white text looks on a background with the CIELCh color 10, 36.687, 317.843.

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

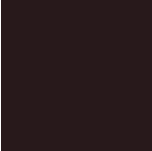
10, 36.687, 317.843

Protanopia

10, 23.969, 280.424

Deuteranopia

10, 17.647, 266.205



Tritanopia
11, 8.049, 11.613

Trichromacy



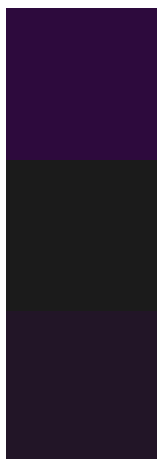
Original Color
10, 36.687, 317.843

Protanomaly
9, 28.084, 295.254

Deuteranomaly
9, 23.757, 292.418

Tritanomaly
10, 17.013, 330.943

Monochromacy



Original Color
10, 36.687, 317.843

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 14.610, 317.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 36.687, 317.843 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(45, 10, 61)` looks like.

```
.text, #text, p{  
    color:rgb(45, 10, 61)  
}
```

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(45, 10, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 10, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 36.687, 317.843 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(45, 10, 61) }
```

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

```
.border{ border-color:rgb(45, 10, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 10, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 10, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 10, 61);  
box-shadow:4px 4px 4px 4px rgb(45, 10, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 36.687, 317.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 10, 61) }
```

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

```
.background{ background-color: rgb(45, 10,  
61) }
```

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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