

Converting Colors

CIELCh(9, 19.687, 253.983)

Have a look what the booklet for
CIELCh(9, 19.687, 253.983) contains.

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Color

CIELCh(10, 17.618, 267.069)

Conversions

Conversions Part 1

Format	Color
Hex	001D33
RGB	0, 29, 51
RGB Percent	0%, 11%, 20%
CMY	0.9995, 0.8858, 0.7994
CMYK	1.00, 0.43, 0.00, 0.80
HSL	206°, 100%, 10%
HSV	206°, 100%, 20%
XYZ	1.0446, 1.1260, 3.3105
YIQ	22.8370, -24.3460, 0.6940

Conversions

Conversions Part 2

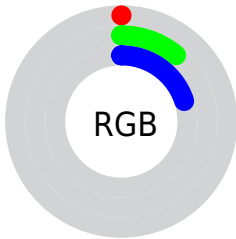
Format	Color
RYB	0, 18, 51
Decimal	7475
CIELab	10.00, -0.90, -17.59
CIELCh	10, 17.618, 267.069
Yxy	1.1260, 0.1906, 0.2054
Android (android.graphics.Color)	4278197555 (0xFF001D33)
YUV	22.8370, 13.8844, -20.0280
Hunter-Lab	10.6114, -0.9974, -11.0691

Details

The CIELCh color **10, 17.618, 267.069** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **11, 21.120, 53.288**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 17.930, 268.187**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **10, 17.659, 267.116**, and if you desaturate by 10%, it is **11, 15.941, 264.884**.

Distribution



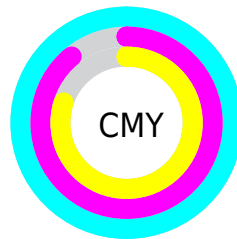
- Red (0%)
- Green (11%)
- Blue (20%)



- Red (0%)
- Yellow (7%)
- Blue (20%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (89%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 17.618, 267.069 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, 17.618, 267.069 by changing the saturation by 10% instead.

■ 10, 17.618,
267.069

■ 10, 17.618,
267.069

■ 100, 17.618,
267.069

■ 0, 17.618, 267.069

■ 30, 17.618,
267.069

■ 40, 17.618,
267.069

■ 50, 17.618,
267.069

■ 60, 17.618,
267.069

■ 70, 17.618,
267.069

■ 80, 17.618,

267.069

■ 90, 17.618,
267.069

■ 10, 17.618,
267.069

■ 10, 17.618,
267.069

■ 10, 17.659,
267.116

■ 11, 15.941,
264.884

■ 12, 14.352,
262.076

■ 13, 12.769,
259.184

■ 14, 11.121,
256.679

■ 15, 9.404, 254.528

■ 17, 7.620, 252.691

■ 18, 5.774, 251.128

■ 19, 3.875, 249.802

■ 20, 1.933, 248.698

Harmonies

Complementary

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



10, 17.618, 267.069



11, 21.120, 53.288

Rectangle

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



10, 17.618, 267.069



10, 17.618, 317.069



10, 17.618, 87.069



10, 17.618, 137.069

Sweetspot

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



10, 17.618, 267.070



24, 7.222, 251.390



18, 28.362, 149.542



10, 4.816, 251.492



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



10, 17.618, 267.070



14, 21.661, 269.956



3, 31.788, 295.191



8, 1.093, 248.552



20, 27.458, 272.511



51, 56.085, 277.035

Inverse Universe

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



7, 28.409, 349.925



11, 33.489, 351.463



19, 27.182, 98.899



8, 1.722, 340.610



17, 40.607, 352.999



47, 76.204, 356.069

Previews

White Background



This preview shows how the CIELCh color 10, 17.618, 267.069 looks on a white background.

Color Contrast Check

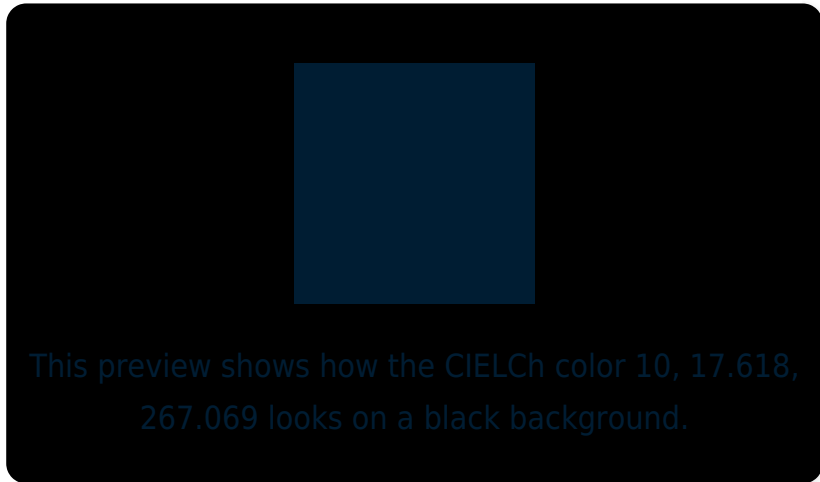
Large Text (above 18pt) WCAG AA ✓ Pass

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

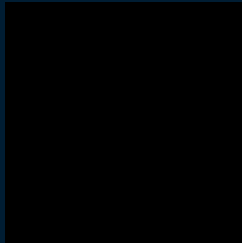
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 17.618, 267.069

Background



This preview shows how black text looks on a background with the CIELCh color 10, 17.618, 267.069.



This preview shows how white text looks on a background with the CIELCh color 10, 17.618, 267.069.

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, 17.618, 267.069

Protanopia

11, 16.297, 283.749

Deuteranopia

10, 17.189, 270.738



Tritanopia
10, 11.869, 203.806

Trichromacy



Original Color
10, 17.618, 267.069

Protanomaly
10, 16.700, 277.026

Deuteranomaly
10, 17.351, 269.274

Tritanomaly
10, 12.075, 231.026

Monochromacy



Original Color
10, 17.618, 267.069

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 7.196, 256.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 17.618, 267.069 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(0, 29, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 29, 51)  
}
```

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(0, 29, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 29, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 17.618, 267.069 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(0, 29, 51) }
```

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

```
.border{ border-color:rgb(0, 29, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 29, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 29, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 29, 51); box-shadow:4px  
4px 4px 4px rgb(0, 29, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 17.618, 267.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 29, 51) }
```

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

```
.background{ background-color: rgb(0, 29,  
51) }
```

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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