

Converting Colors

CIELCh(10, 31.132, 284.163)

Have a look what the booklet for
CIELCh(10, 31.132, 284.163)
contains.

CIELCh(11, 30.761, 288.115)	3
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Color

CIELCh(11, 30.761, 288.115)

Conversions

Conversions Part 1

Format	Color
Hex	011C46
RGB	1, 28, 70
RGB Percent	0%, 11%, 27%
CMY	0.9961, 0.8915, 0.7263
CMYK	0.99, 0.60, 0.00, 0.73
HSL	217°, 97%, 14%
HSV	217°, 99%, 27%
XYZ	1.5190, 1.2610, 5.9248
YIQ	24.7150, -29.5740, 7.3380

Conversions

Conversions Part 2

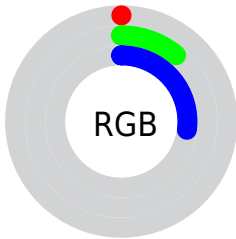
Format	Color
R_YB	1, 20, 70
Decimal	72774
CIE Lab	11.00, 9.56, -29.24
CIE LCh	11, 30.761, 288.115
Yxy	1.2610, 0.1745, 0.1449
Android (android.graphics.Color)	4278262854 (0xFF011C46)
YUV	24.7150, 22.3255, -20.7981
Hunter-Lab	11.2295, 4.4940, -23.4214

Details

The CIELCh color **11, 30.761, 288.115** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **20, 29.818, 73.292**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 30.586, 287.793**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **11, 31.251, 288.470**, and if you desaturate by 10%, it is **13, 27.375, 285.313**.

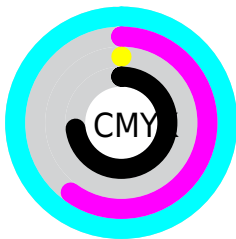
Distribution



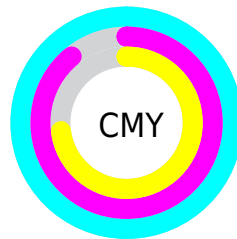
- Red (0%)
- Green (11%)
- Blue (27%)



- Red (0%)
- Yellow (8%)
- Blue (27%)



- Cyan (99%)
- Magenta (60%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (89%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 30.761, 288.115 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 11, 30.761, 288.115 by changing the saturation by 10% instead.

■ 11, 30.761,
288.115

■ 11, 30.761,
288.115

■ 100, 30.761,
288.115

■ 1, 30.761, 288.115

■ 31, 30.761,
288.115

■ 0, 30.761, 288.115

■ 41, 30.761,
288.115


■ 51, 30.761,
288.115


■ 61, 30.761,
288.115


■ 71, 30.761,
288.115


■ 81, 30.761,


288.115


 91, 30.761,
288.115


 11, 30.761,
288.115

 11, 30.761,
288.115


 11, 31.251,
288.470

 13, 27.375,
285.313

 14, 24.119,
282.104

 16, 20.934,
279.138

 18, 17.801,
276.493

 20, 14.706,
274.168

■ 22, 11.638,
272.144

■ 24, 8.592, 270.389

■ 26, 5.567, 268.872

■ 28, 2.564, 267.575

Harmonies

Complementary

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



11, 30.761, 288.115



20, 29.818, 73.292

Rectangle

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



11, 30.761, 288.115



11, 30.761, 338.115



11, 30.761, 108.115



11, 30.761, 158.115

Sweetspot

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



11, 30.761, 288.117



32, 11.330, 270.833



25, 29.556, 157.712



14, 7.621, 271.153



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



11, 30.761, 288.117



16, 39.321, 290.311



5, 48.450, 305.018



13, 1.695, 267.579



17, 42.036, 290.761



42, 82.942, 293.798

Inverse Universe

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



12, 32.824, 6.340



17, 40.059, 8.890



28, 37.846, 108.430



13, 2.045, 350.799



19, 42.381, 9.463



48, 77.990, 13.640

Previews

White Background



This preview shows how the CIE LCh color 11, 30.761, 288.115 looks on a white background.

Color Contrast Check

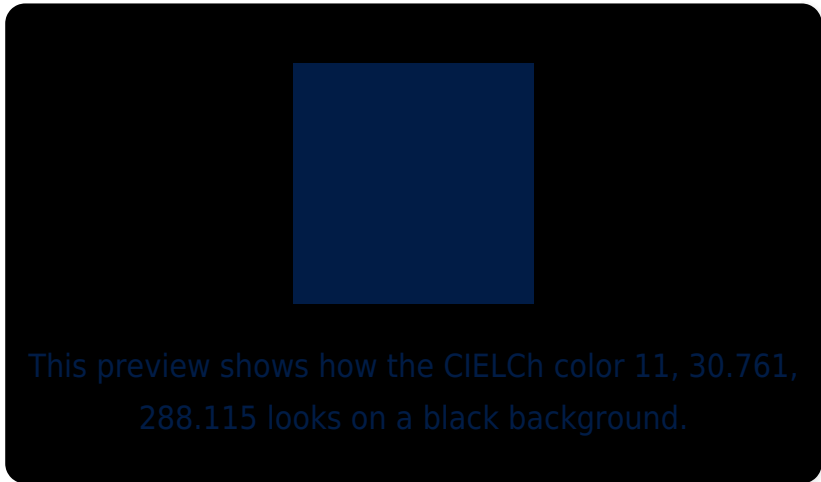
Large Text (above 18pt) WCAG AA ✓ Pass

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

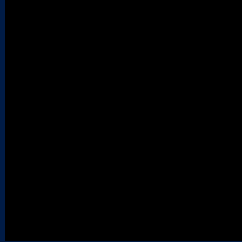
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 30.761, 288.115

Background



This preview shows how black text looks on a background with the CIELCh color 11, 30.761, 288.115.



This preview shows how white text looks on a background with the CIELCh color 11, 30.761, 288.115.

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

11, 30.644, 287.867

Protanopia

11, 24.534, 279.961

Deuteranopia

11, 17.717, 264.512



Tritanopia
11, 12.310, 203.449

Trichromacy



Original Color
11, 30.644, 287.867

Protanomaly
11, 26.572, 283.083

Deuteranomaly
11, 22.585, 277.037

Tritanomaly
11, 14.643, 251.811

Monochromacy



Original Color
11, 30.644, 287.867

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 12.275, 277.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 30.761, 288.115 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(1, 28, 70)` looks like.

```
.text, #text, p{  
    color:rgb(1, 28, 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(1, 28, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 28, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 30.761, 288.115 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(1, 28, 70) }
```

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

```
.border{ border-color:rgb(1, 28, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 28, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 28, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 28, 70); box-shadow:4px  
4px 4px 4px rgb(1, 28, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 30.761, 288.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 28, 70) }
```

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

```
.background{ background-color: rgb(1, 28,  
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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