

Converting Colors

CIELCh(11, 28.566, 273.043)

Have a look what the booklet for
CIELCh(11, 28.566, 273.043)
contains.

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Color

CIELCh(12, 27.771, 283.316)

Conversions

Conversions Part 1

Format	Color
Hex	001F45
RGB	0, 31, 69
RGB Percent	0%, 12%, 27%
CMY	1.0000, 0.8786, 0.7296
CMYK	1.00, 0.55, 0.00, 0.73
HSL	213°, 100%, 14%
HSV	213°, 100%, 27%
XYZ	1.5607, 1.4064, 5.8111
YIQ	26.0630, -30.6740, 5.2460

Conversions

Conversions Part 2

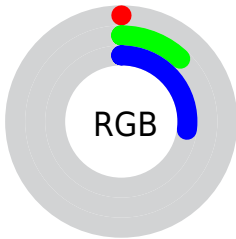
Format	Color
RYB	0, 21, 69
Decimal	8005
CIELab	12.00, 6.40, -27.02
CIELCh	12, 27.771, 283.316
Yxy	1.4064, 0.1778, 0.1602
Android (android.graphics.Color)	4278198085 (0xFF001F45)
YUV	26.0630, 21.1679, -22.8573
Hunter-Lab	11.8591, 2.7380, -20.7516

Details

The CIELCh color **12, 27.771, 283.316** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **19, 29.408, 67.099**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 28.103, 283.916**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **12, 27.769, 283.337**, and if you desaturate by 10%, it is **14, 24.851, 280.476**.

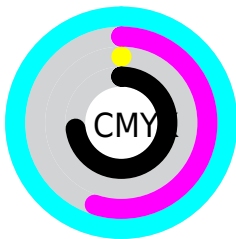
Distribution



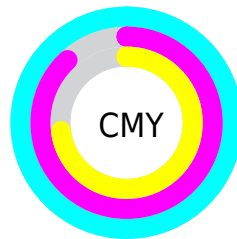
- Red (0%)
- Green (12%)
- Blue (27%)



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



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (88%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 27.771, 283.316 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 12, 27.771, 283.316 by changing the saturation by 10% instead.

■ 12, 27.771,
283.316

■ 12, 27.771,
283.316

■ 100, 27.771,
283.316

■ 2, 27.771, 283.316

■ 32, 27.771,
283.316

■ 0, 27.771, 283.316

■ 42, 27.771,
283.316

■ 52, 27.771,
283.316

■ 62, 27.771,
283.316

■ 72, 27.771,
283.316

■ 82, 27.771,

283.316

■ 92, 27.771,
283.316

■ 12, 27.771,
283.316

■ 12, 27.771,
283.316

■ 12, 27.769,
283.337

■ 14, 24.851,
280.476

■ 15, 22.059,
277.117

■ 17, 19.313,
273.981

■ 19, 16.579,
271.201

■ 20, 13.843,
268.771

■ 22, 11.095,
266.667

■ 24, 8.334, 264.852

■ 26, 5.563, 263.292

■ 27, 2.784, 261.964

Harmonies

Complementary

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



12, 27.771, 283.316



19, 29.408, 67.099

Rectangle

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



12, 27.771, 283.316



12, 27.771, 333.316



12, 27.771, 103.316



12, 27.771, 153.316

Sweetspot

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



12, 27.769, 283.337



31, 10.325, 265.056



25, 31.214, 154.630



14, 7.102, 265.401



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



12, 27.769, 283.337



17, 34.412, 285.259



4, 48.302, 304.127



13, 1.597, 261.802



19, 37.640, 285.933



46, 74.110, 289.278

Inverse Universe

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



12, 33.113, 1.301



17, 39.332, 3.176



28, 37.756, 105.664



13, 2.125, 347.096



19, 42.378, 3.870



49, 77.318, 7.619

Previews

White Background



This preview shows how the CIELCh color 12, 27.771, 283.316 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



This preview shows how the CIELCh color 12, 27.771, 283.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

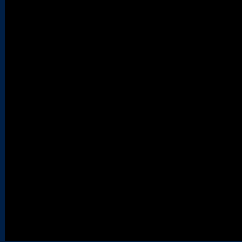
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 27.771, 283.316

Background



This preview shows how black text looks on a background with the CIELCh color 12, 27.771, 283.316.



This preview shows how white text looks on a background with the CIELCh color 12, 27.771, 283.316.

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

12, 27.771, 283.316

Protanopia

12, 26.453, 281.826

Deuteranopia

12, 18.919, 266.207



Tritanopia
12, 12.630, 206.652

Trichromacy



Original Color
12, 27.771, 283.316

Protanomaly
12, 27.112, 282.589

Deuteranomaly
12, 21.895, 273.761

Tritanomaly
12, 14.844, 250.090

Monochromacy



Original Color
12, 27.771, 283.316

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 10.979, 270.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 27.771, 283.316 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, 31, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 31, 69)  
}
```

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, 31, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 31, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 27.771, 283.316 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, 31, 69) }
```

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

```
.border{ border-color:rgb(0, 31, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 31, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 31, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 31, 69); box-shadow:4px  
4px 4px 4px rgb(0, 31, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 27.771, 283.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 31, 69) }
```

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

```
.background{ background-color: rgb(0, 31,  
69) }
```

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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