

Converting Colors

CIELCh(18, 28.854, 277.738)

Have a look what the booklet for
CIELCh(18, 28.854, 277.738)
contains.

CIELCh(18, 28.387, 277.109)	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(18, 28.387, 277.109)

Conversions

Conversions Part 1

Format	Color
Hex	012D55
RGB	1, 45, 85
RGB Percent	0%, 18%, 33%
CMY	0.9974, 0.8243, 0.6676
CMYK	0.99, 0.47, 0.00, 0.67
HSL	209°, 98%, 17%
HSV	209°, 99%, 33%
XYZ	2.5696, 2.5180, 8.8976
YIQ	36.4040, -39.0640, 3.1120

Conversions

Conversions Part 2

Format	Color
R_YB	1, 30, 85
Decimal	77141
CIE _{Lab}	18.00, 3.51, -28.17
CIE _{LCh}	18, 28.387, 277.109
Yxy	2.5180, 0.1837, 0.1801
Android (android.graphics.Color)	4278267221 (0xFF012D55)
YUV	36.4040, 23.9578, -31.0493
Hunter-Lab	15.8683, 1.1353, -22.1368

Details

The CIELCh color **18, 28.387, 277.109** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **22, 35.920, 60.426**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.428, 277.423**, and **2, 23.618, 291.153** is the 20% darker color. If you saturate the color by 10%, you get **18, 28.608, 277.362**, and if you desaturate by 10%, it is **20, 25.627, 273.540**.

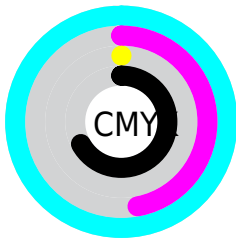
Distribution



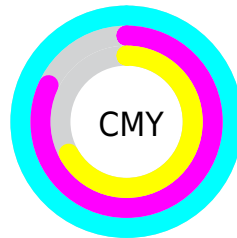
- Red (0%)
- Green (18%)
- Blue (33%)



- Red (0%)
- Yellow (12%)
- Blue (33%)



- Cyan (99%)
- Magenta (47%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (82%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.387, 277.109 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 18, 28.387, 277.109 by changing the saturation by 10% instead.

■ 18, 28.387,
277.109

■ 18, 28.387,
277.109

■ 100, 28.387,
277.109

■ 8, 28.387, 277.109

■ 38, 28.387,
277.109

■ 0, 28.387, 277.109

■ 48, 28.387,
277.109


■ 58, 28.387,
277.109


■ 68, 28.387,
277.109


■ 78, 28.387,
277.109


■ 88, 28.387,


277.109


 98, 28.387,
277.109


 18, 28.387,
277.109


 18, 28.387,
277.109


 18, 28.608,
277.362

 20, 25.627,
273.540

 21, 22.970,
269.708

 23, 20.293,
266.283

 25, 17.565,
263.294

 27, 14.765,
260.727

■ 28, 11.888,
258.541

■ 30, 8.939, 256.688

■ 32, 5.927, 255.123

■ 34, 2.864, 253.819

Harmonies

Complementary

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



18, 28.387, 277.109



22, 35.920, 60.426

Rectangle

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



18, 28.387, 277.109



18, 28.387, 327.109



18, 28.387, 97.109



18, 28.387, 147.109

Sweetspot

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



18, 28.387, 277.111



39, 11.331, 256.995



31, 39.418, 149.647



19, 7.775, 257.455



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 28.387, 277.111



24, 35.277, 279.089



7, 57.117, 304.926



17, 1.770, 253.771



23, 34.608, 278.948



52, 65.448, 282.290

Inverse Universe

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



16, 38.448, 356.142



22, 46.005, 357.638



34, 42.284, 100.923



16, 2.639, 342.940



22, 45.262, 357.526



51, 79.828, 0.341

Previews

White Background



This preview shows how the CIE LCh color 18, 28.387, 277.109 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 18, 28.387, 277.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

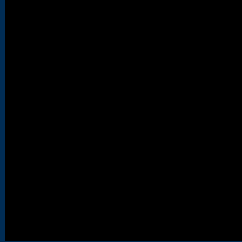
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 28.387, 277.109

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.387, 277.109.



This preview shows how white text looks on a background with the CIELCh color 18, 28.387, 277.109.

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


18, 28.387, 277.109

Protanopia

18, 27.722, 285.387

Deuteranopia

18, 24.859, 270.807



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 28.387, 277.109

Protanomaly
18, 27.958, 281.630

Deuteranomaly
18, 26.019, 272.809

Tritanomaly
18, 16.854, 242.351

Monochromacy



Original Color
18, 28.387, 277.109

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 11.889, 262.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.387, 277.109 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, 45, 85)` looks like.

```
.text, #text, p{  
    color:rgb(1, 45, 85)  
}
```

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, 45, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 45, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.387, 277.109 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, 45, 85) }
```

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

```
.border{ border-color:rgb(1, 45, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 45, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 45, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 45, 85); box-shadow:4px  
4px 4px 4px rgb(1, 45, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.387, 277.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 45, 85) }
```

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

```
.background{ background-color: rgb(1, 45,  
85) }
```

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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