

Converting Colors

CIELCh(16, 22.573, 271.192)

Have a look what the booklet for
CIELCh(16, 22.573, 271.192)
contains.

CIELCh(16, 22.885, 272.086)	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(16, 22.885, 272.086)

Conversions

Conversions Part 1

Format	Color
Hex	042948
RGB	4, 41, 72
RGB Percent	2%, 16%, 28%
CMY	0.9830, 0.8384, 0.7167
CMYK	0.94, 0.43, 0.00, 0.72
HSL	207°, 89%, 15%
HSV	207°, 94%, 28%
XYZ	2.0317, 2.0993, 6.4693
YIQ	33.4710, -32.0030, 1.7970

Conversions

Conversions Part 2

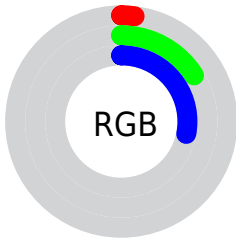
Format	Color
R_YB	4, 28, 72
Decimal	272712
CIE Lab	16.00, 0.83, -22.87
CIE LCh	16, 22.885, 272.086
Yxy	2.0993, 0.1917, 0.1980
Android (android.graphics.Color)	4278462792 (0xFF042948)
YUV	33.4710, 18.9948, -25.8461
Hunter-Lab	14.4890, -0.3258, -16.3307

Details

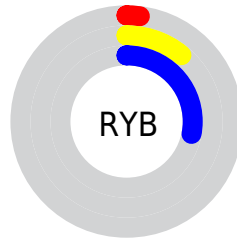
The CIELCh color **16, 22.885, 272.086** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18, 29.441, 59.270**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 22.880, 271.991**, and **1, 14.532, 288.124** is the 20% darker color. If you saturate the color by 10%, you get **15, 24.282, 273.920**, and if you desaturate by 10%, it is **17, 20.652, 268.538**.

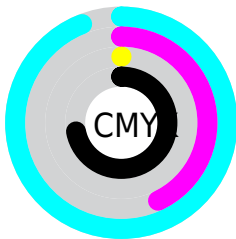
Distribution



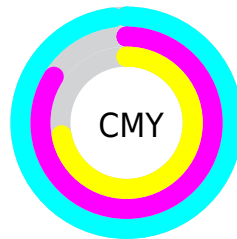
- Red (2%)
- Green (16%)
- Blue (28%)



- Red (2%)
- Yellow (11%)
- Blue (28%)



- Cyan (94%)
- Magenta (43%)
- Yellow (0%)
- Black (72%)



- Cyan (98%)
- Magenta (84%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 22.885, 272.086 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 16, 22.885, 272.086 by changing the saturation by 10% instead.

■ 16, 22.885,
272.086

■ 16, 22.885,
272.086

■ 100, 22.885,
272.086

■ 6, 22.885, 272.086

■ 36, 22.885,
272.086

■ 0, 22.885, 272.086

■ 46, 22.885,
272.086

■ 56, 22.885,
272.086


■ 66, 22.885,
272.086


■ 76, 22.885,
272.086


■ 86, 22.885,


272.086


 96, 22.885,
272.086


 16, 22.885,
272.086


 16, 22.885,
272.086


 15, 24.282,
273.920

 17, 20.652,
268.538

 19, 18.441,
265.056

 20, 16.176,
262.004

 22, 13.839,
259.372

 23, 11.422,
257.126

■ 25, 8.929, 255.220

■ 27, 6.367, 253.607

■ 28, 3.748, 252.250

■ 30, 1.083, 251.202

Harmonies

Complementary

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



16, 22.885, 272.086



18, 29.441, 59.270

Rectangle

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



16, 22.885, 272.086



16, 22.885, 322.086



16, 22.885, 92.086



16, 22.885, 142.086

Sweetspot

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



16, 22.885, 272.087



34, 9.219, 254.395



26, 34.047, 150.194



16, 6.402, 254.787



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



16, 22.885, 272.087



21, 30.132, 276.029



6, 46.482, 302.725



13, 1.482, 251.620



22, 31.445, 276.387



52, 61.346, 280.180

Inverse Universe

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



13, 33.624, 352.829



19, 41.748, 355.343



28, 35.977, 100.313



13, 2.264, 341.952



20, 43.267, 355.598



49, 78.228, 358.522

Previews

White Background



This preview shows how the CIELCh color 16, 22.885, 272.086 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 16, 22.885, 272.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

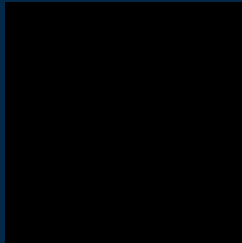
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 22.885, 272.086

Background



This preview shows how black text looks on a background with the CIELCh color 16, 22.885, 272.086.



This preview shows how white text looks on a background with the CIELCh color 16, 22.885, 272.086.

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

16, 22.885, 272.086

Protanopia

16, 21.867, 284.535

Deuteranopia

16, 22.651, 273.910



Tritanopia
16, 14.463, 205.048

Trichromacy



Original Color
16, 22.885, 272.086

Protanomaly
16, 22.229, 278.639

Deuteranomaly
16, 22.742, 273.183

Tritanomaly
16, 14.819, 235.836

Monochromacy



Original Color
16, 22.885, 272.086

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 9.385, 255.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 22.885, 272.086 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(4, 41, 72)` looks like.

```
.text, #text, p{  
    color:rgb(4, 41, 72)  
}
```

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(4, 41, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 41, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 22.885, 272.086 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(4, 41, 72) }
```

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

```
.border{ border-color:rgb(4, 41, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 41, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 41, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 41, 72); box-shadow:4px  
4px 4px 4px rgb(4, 41, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 22.885, 272.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 41, 72) }
```

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

```
.background{ background-color: rgb(4, 41,  
72) }
```

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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