

Converting Colors

CIELCh(16, 65.025, 302.285)

Have a look what the booklet for
CIELCh(16, 65.025, 302.285)
contains.

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Color

CIELCh(16, 65.053, 302.269)

Conversions

Conversions Part 1

Format	Color
Hex	0C1879
RGB	12, 24, 121
RGB Percent	5%, 9%, 47%
CMY	0.9515, 0.9067, 0.5265
CMYK	0.90, 0.80, 0.00, 0.53
HSL	234°, 81%, 26%
HSV	234°, 90%, 47%
XYZ	3.9140, 2.0993, 18.2035
YIQ	31.4700, -38.2890, 27.6230

Conversions

Conversions Part 2

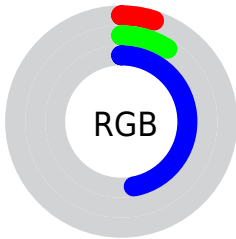
Format	Color
R_{YB}	12, 23, 121
Decimal	792697
CIE _{Lab}	16.00, 34.73, -55.01
CIE _{LCh}	16, 65.053, 302.269
Yxy	2.0993, 0.1616, 0.0867
Android (android.graphics.Color)	4278982777 (0xFF0C1879)
YUV	31.4700, 44.1383, -17.0752
Hunter-Lab	14.4890, 22.8638, -64.3478

Details

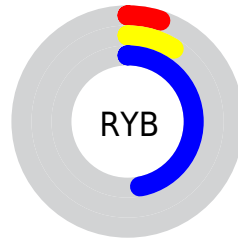
The CIELCh color **16, 65.053, 302.269** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 49.472, 96.703**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 65.663, 302.437**, and **4, 49.795, 303.778** is the 20% darker color. If you saturate the color by 10%, you get **14, 71.278, 304.147**, and if you desaturate by 10%, it is **19, 57.669, 299.888**.

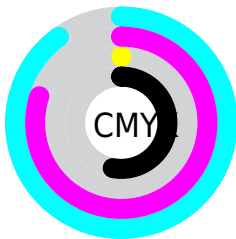
Distribution



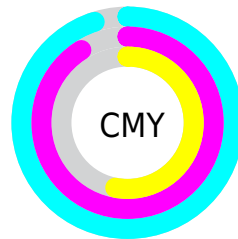
- Red (5%)
- Green (9%)
- Blue (47%)



- Red (5%)
- Yellow (9%)
- Blue (47%)



- Cyan (90%)
- Magenta (80%)
- Yellow (0%)
- Black (53%)



- Cyan (95%)
- Magenta (91%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 65.053, 302.269 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, 65.053, 302.269 by changing the saturation by 10% instead.

■ 16, 65.053,
302.269

■ 16, 65.053,
302.269

■ 100, 65.053,
302.269

■ 6, 65.053, 302.269

■ 36, 65.053,
302.269

■ 0, 65.053, 302.269

■ 46, 65.053,
302.269


■ 56, 65.053,
302.269


■ 66, 65.053,
302.269


■ 76, 65.053,
302.269


■ 86, 65.053,

302.269


 96, 65.053,
302.269

 16, 65.053,
302.269


 16, 65.053,
302.269


 14, 71.278,
304.147


 19, 57.669,
299.888

 14, 71.413,
304.182

 23, 49.810,
297.400

 26, 41.943,
295.012

 30, 34.276,
292.835

 34, 26.877,
290.914

■ 39, 19.751,
289.248

■ 43, 12.884,
287.816

■ 47, 6.256, 286.591

■ 51, 0.150, 105.020

Harmonies

Complementary

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



16, 65.053, 302.269



46, 49.472, 96.703

Rectangle

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



16, 65.053, 302.269



16, 65.053, 352.269



16, 65.053, 122.269



16, 65.053, 172.269

Sweetspot

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



16, 65.054, 302.270



51, 22.267, 288.933



45, 30.905, 181.879



24, 14.993, 289.339



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



16, 65.054, 302.270



19, 88.297, 304.654



18, 68.100, 309.868



24, 3.650, 286.516



14, 73.372, 304.252



34, 127.513, 305.161

Inverse Universe

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



25, 50.834, 29.679



33, 68.707, 34.999



46, 56.961, 122.414



24, 2.875, 11.366



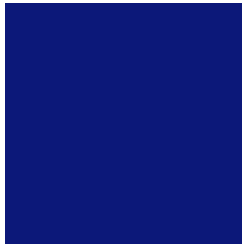
25, 57.110, 33.762



53, 99.105, 36.435

Previews

White Background



This preview shows how the CIE LCh color 16, 65.053, 302.269 looks on a white background.

Color Contrast Check

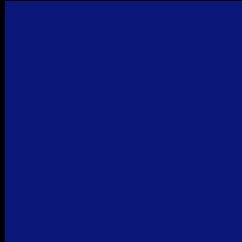
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.053, 302.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

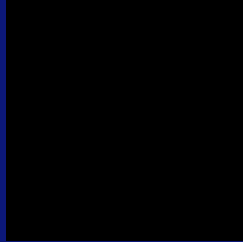
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 65.053, 302.269

Background



This preview shows how black text looks on a background with the CIELCh color 16, 65.053, 302.269.



This preview shows how white text looks on a background with the CIELCh color 16, 65.053, 302.269.

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, 65.081, 302.203

Protanopia

16, 30.481, 281.698

Deuteranopia

16, 21.959, 267.525



Tritanopia
16, 14.775, 202.010

Trichromacy



Original Color
16, 65.081, 302.203

Protanomaly
16, 43.792, 293.679

Deuteranomaly
15, 37.877, 290.435

Tritanomaly
15, 26.004, 278.821

Monochromacy



Original Color
16, 65.081, 302.203

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 25.986, 294.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 65.053, 302.269 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(12, 24, 121)` looks like.

```
.text, #text, p{  
    color:rgb(12, 24, 121)  
}
```

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(12, 24, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 24, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 65.053, 302.269 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(12, 24, 121) }
```

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

```
.border{ border-color:rgb(12, 24, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 24, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 24, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 24, 121);  
box-shadow:4px 4px 4px 4px rgb(12, 24,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 65.053, 302.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 24, 121) }
```

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

```
.background{ background-color: rgb(12, 24,  
121) }
```

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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