

Converting Colors

CIELCh(16, 31.121, 283.333)

Have a look what the booklet for
CIELCh(16, 31.121, 283.333)
contains.

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Color

CIELCh(16, 31.121, 283.333)

Conversions

Conversions Part 1

Format	Color
Hex	022753
RGB	2, 39, 83
RGB Percent	1%, 15%, 33%
CMY	0.9913, 0.8466, 0.6740
CMYK	0.97, 0.53, 0.00, 0.67
HSL	213°, 95%, 17%
HSV	213°, 97%, 33%
XYZ	2.3233, 2.0993, 8.4933
YIQ	32.9530, -36.1760, 5.8400

Conversions

Conversions Part 2

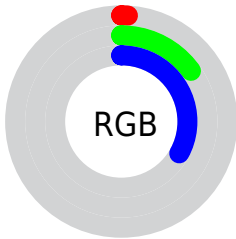
Format	Color
R_YB	2, 27, 83
Decimal	141139
CIE Lab	16.00, 7.18, -30.28
CIE LCh	16, 31.121, 283.333
Yxy	2.0993, 0.1799, 0.1625
Android (android.graphics.Color)	4278331219 (0xFF022753)
YUV	32.9530, 24.6732, -27.1458
Hunter-Lab	14.4890, 3.2664, -24.6129

Details

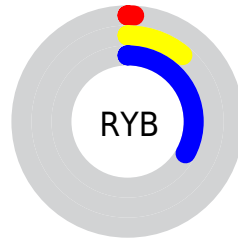
The CIELCh color **16, 31.121, 283.333** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **23, 34.519, 66.995**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 31.325, 283.833**, and **2, 22.473, 291.076** is the 20% darker color. If you saturate the color by 10%, you get **16, 32.024, 284.145**, and if you desaturate by 10%, it is **18, 27.824, 279.893**.

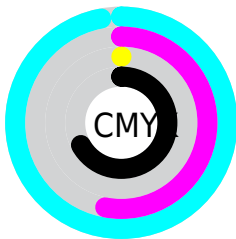
Distribution



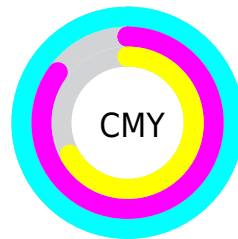
- Red (1%)
- Green (15%)
- Blue (33%)



- Red (1%)
- Yellow (11%)
- Blue (33%)



- Cyan (97%)
- Magenta (53%)
- Yellow (0%)
- Black (67%)





- Cyan (99%)
- Magenta (85%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 31.121, 283.333 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, 31.121, 283.333 by changing the saturation by 10% instead.

 16, 31.121,
283.333


 16, 31.121,
283.333


 100, 31.121,
283.333


 6, 31.121, 283.333


 36, 31.121,
283.333

 0, 31.121, 283.333

 46, 31.121,
283.333


 56, 31.121,
283.333


 66, 31.121,
283.333


 76, 31.121,
283.333


 86, 31.121,


283.333


 96, 31.121,
283.333


 16, 31.121,
283.333


 16, 31.121,
283.333


 16, 32.024,
284.145

 18, 27.824,
279.893

 20, 24.636,
276.317

 22, 21.483,
273.092

 23, 18.338,
270.249

 25, 15.182,
267.780

■ 28, 12.007,
265.654

■ 30, 8.811, 263.832

■ 32, 5.598, 262.275

■ 34, 2.374, 260.969

Harmonies

Complementary

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



16, 31.121, 283.333



23, 34.519, 66.995

Rectangle

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



16, 31.121, 283.333



16, 31.121, 333.333



16, 31.121, 103.333



16, 31.121, 153.333

Sweetspot

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



16, 31.121, 283.335



38, 11.513, 264.283



30, 35.839, 153.380



17, 7.803, 264.721



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 31.121, 283.335



21, 39.493, 285.739



6, 56.709, 305.651



15, 1.778, 261.128



20, 38.715, 285.604



47, 74.443, 288.751

Inverse Universe

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



16, 36.884, 1.393



21, 44.657, 3.668



34, 42.183, 104.853



15, 2.393, 346.714



21, 43.910, 3.528



50, 78.612, 6.992

Previews

White Background



This preview shows how the CIE LCh color 16, 31.121, 283.333 looks on a white background.

Color Contrast Check

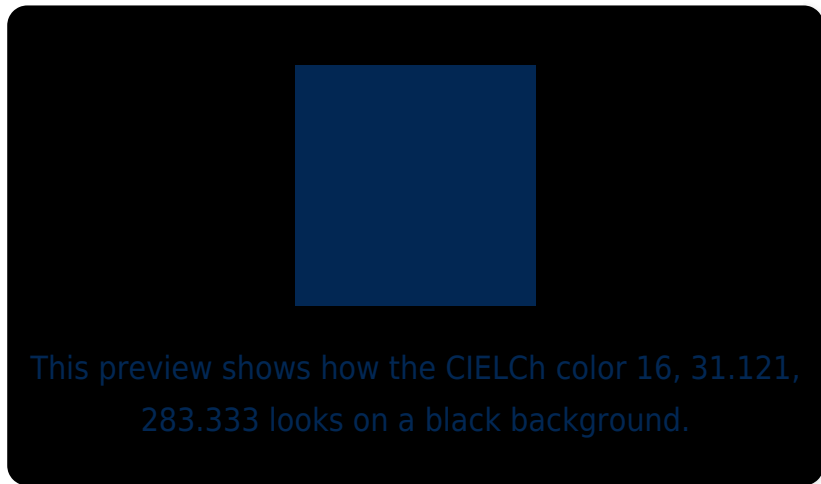
Large Text (above 18pt) WCAG AA ✓ Pass

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

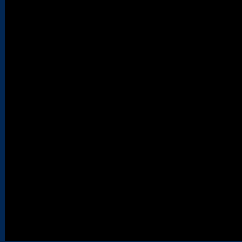
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 31.121, 283.333

Background



This preview shows how black text looks on a background with the CIELCh color 16, 31.121, 283.333.



This preview shows how white text looks on a background with the CIELCh color 16, 31.121, 283.333.

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, 31.121, 283.333

Protanopia

16, 31.070, 283.807

Deuteranopia

16, 22.525, 268.777



Tritanopia
16, 14.463, 205.048

Trichromacy



Original Color
16, 31.121, 283.333

Protanomaly
16, 31.095, 283.570

Deuteranomaly
16, 25.429, 275.118

Tritanomaly
16, 16.511, 248.415

Monochromacy



Original Color
16, 31.121, 283.333

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 12.229, 269.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 31.121, 283.333 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(2, 39, 83)` looks like.

```
.text, #text, p{  
    color:rgb(2, 39, 83)  
}
```

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(2, 39, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 39, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 31.121, 283.333 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(2, 39, 83) }
```

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

```
.border{ border-color:rgb(2, 39, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 39, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 39, 83); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 39, 83); box-shadow:4px  
4px 4px 4px rgb(2, 39, 83) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 31.121, 283.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 39, 83) }
```

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

```
.background{ background-color: rgb(2, 39,  
83) }
```

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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