

Converting Colors

CIELCh(16, 11.907, 253.297)

Have a look what the booklet for
CIELCh(16, 11.907, 253.297)
contains.

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Color

CIELCh(16, 12.073, 253.431)

Conversions

Conversions Part 1

Format	Color
Hex	152A38
RGB	21, 42, 56
RGB Percent	8%, 16%, 22%
CMY	0.9177, 0.8354, 0.7805
CMYK	0.63, 0.25, 0.00, 0.78
HSL	204°, 45%, 15%
HSV	204°, 63%, 22%
XYZ	1.8496, 2.0993, 4.0468
YIQ	37.3170, -17.0100, -0.0980

Conversions

Conversions Part 2

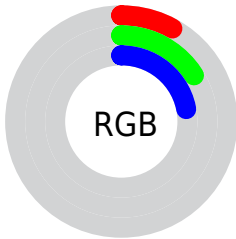
Format	Color
R_{YB}	21, 34, 56
Decimal	1387064
CIE _{Lab}	16.00, -3.44, -11.57
CIE _{LCh}	16, 12.073, 253.431
Yxy	2.0993, 0.2313, 0.2626
Android (android.graphics.Color)	4279577144 (0xFF152A38)
YUV	37.3170, 9.2107, -14.3100
Hunter-Lab	14.4890, -2.5690, -6.4174

Details

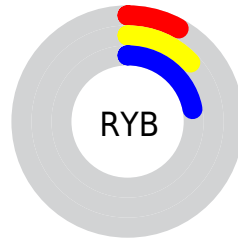
The CIELCh color **16, 12.073, 253.431** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 15.692, 58.754**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 12.139, 254.203**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 13.697, 256.086**, and if you desaturate by 10%, it is **17, 10.352, 251.168**.

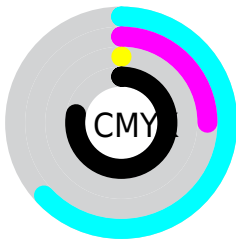
Distribution



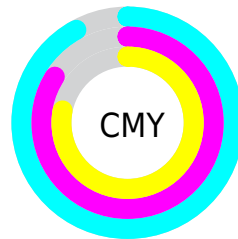
- Red (8%)
- Green (16%)
- Blue (22%)



- Red (8%)
- Yellow (13%)
- Blue (22%)



- Cyan (63%)
- Magenta (25%)
- Yellow (0%)
- Black (78%)



- Cyan (92%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 12.073, 253.431 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, 12.073, 253.431 by changing the saturation by 10% instead.

■ 16, 12.073,
253.431

■ 16, 12.073,
253.431

■ 100, 12.073,
253.431

■ 6, 12.073, 253.431

■ 36, 12.073,
253.431

■ 0, 12.073, 253.431

■ 46, 12.073,
253.431


■ 56, 12.073,
253.431


■ 66, 12.073,
253.431


■ 76, 12.073,
253.431


■ 86, 12.073,


253.431


 96, 12.073,
253.431

 16, 12.073,
253.431


 16, 12.073,
253.431

 15, 13.697,
256.086


 17, 10.352,
251.168

 14, 15.232,
259.170

 18, 8.538, 249.255

 13, 16.782,
262.089

 19, 6.638, 247.642

 12, 18.000,
263.882

 21, 4.663, 246.286

 22, 2.625, 245.161

 23, 0.535, 244.451

■ 24, 1.595, 63.163

■ 26, 3.757, 62.514

■ 27, 5.940, 61.918

Harmonies

Complementary

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



16, 12.073, 253.431



16, 15.692, 58.754

Rectangle

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



16, 12.073, 253.431



16, 12.073, 303.431



16, 12.073, 73.431



16, 12.073, 123.431

Sweetspot

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



16, 12.073, 253.431



28, 4.982, 245.979



20, 21.102, 152.442



13, 3.457, 246.107



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



16, 12.073, 253.431



20, 17.620, 257.984



10, 22.712, 293.628



10, 1.169, 244.766



22, 26.486, 268.491



54, 53.054, 272.960

Inverse Universe

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



13, 21.329, 343.636



16, 30.798, 345.624



21, 20.217, 99.190



9, 1.913, 339.111



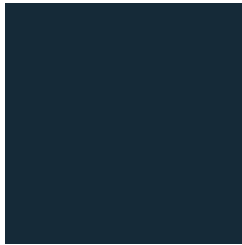
18, 41.957, 350.637



48, 77.832, 353.282

Previews

White Background



This preview shows how the CIELCh color 16, 12.073, 253.431 looks on a white background.

Color Contrast Check

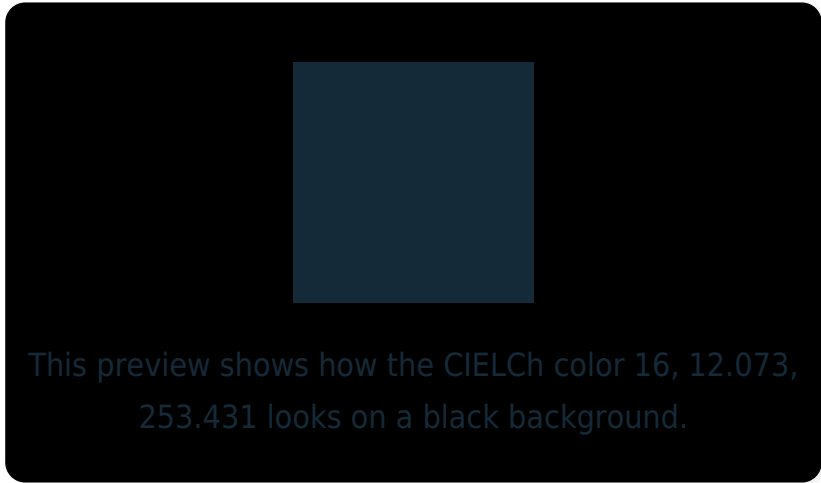
Large Text (above 18pt) WCAG AA ✓ Pass

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

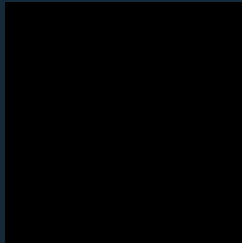
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

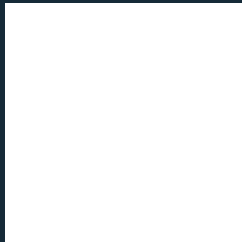
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 12.073, 253.431

Background



This preview shows how black text looks on a background with the CIELCh color 16, 12.073, 253.431.



This preview shows how white text looks on a background with the CIELCh color 16, 12.073, 253.431.

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, 12.073, 253.431

Protanopia

16, 10.562, 286.170

Deuteranopia

16, 12.713, 284.475



Tritanopia
16, 10.493, 209.018

Trichromacy



Original Color
16, 12.073, 253.431

Protanomaly
16, 10.968, 273.850

Deuteranomaly
16, 12.462, 273.458

Tritanomaly
16, 10.373, 226.239

Monochromacy



Original Color
16, 12.073, 253.431

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.915, 245.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 12.073, 253.431 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(21, 42, 56)` looks like.

```
.text, #text, p{  
    color:rgb(21, 42, 56)  
}
```

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(21, 42, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 42, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 12.073, 253.431 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(21, 42, 56) }
```

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

```
.border{ border-color:rgb(21, 42, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 42, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 42, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 42, 56);  
box-shadow:4px 4px 4px 4px rgb(21, 42, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 12.073, 253.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 42, 56) }
```

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

```
.background{ background-color: rgb(21, 42,  
56) }
```

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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