

Converting Colors

CIELCh(16, 12.549, 263.066)

Have a look what the booklet for
CIELCh(16, 12.549, 263.066)
contains.

CIELCh(16, 12.549, 263.066)	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, 12.549, 263.066)

Conversions

Conversions Part 1

Format	Color
Hex	182939
RGB	24, 41, 57
RGB Percent	9%, 16%, 22%
CMY	0.9048, 0.8382, 0.7754
CMYK	0.58, 0.28, 0.00, 0.78
HSL	209°, 40%, 16%
HSV	209°, 58%, 22%
XYZ	1.9303, 2.0993, 4.2100
YIQ	37.7410, -15.2680, 1.3720

Conversions

Conversions Part 2

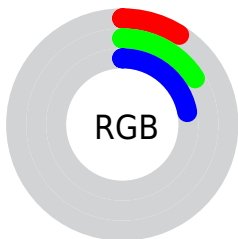
Format	Color
R_{YB}	24, 35, 57
Decimal	1583417
CIE _{Lab}	16.00, -1.51, -12.46
CIE _{LCh}	16, 12.549, 263.066
Yxy	2.0993, 0.2343, 0.2548
Android (android.graphics.Color)	4279773497 (0xFF182939)
YUV	37.7410, 9.4947, -12.0509
Hunter-Lab	14.4890, -1.5750, -7.0853




Details

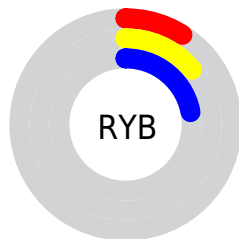
The CIELCh color **16, 12.549, 263.066** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 14.689, 67.769**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 12.459, 263.450**, and **0, 4.948, 286.966** is the 20% darker color. If you saturate the color by 10%, you get **15, 14.588, 265.640**, and if you desaturate by 10%, it is **17, 10.465, 260.840**.

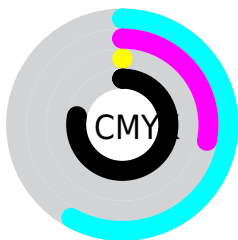
Distribution







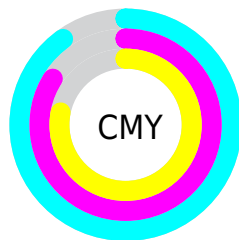
-  Red (9%)
-  Green (16%)
-  Blue (22%)






-  Red (9%)
-  Yellow (14%)
-  Blue (22%)



-  Cyan (58%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (78%)



-  Cyan (90%)
-  Magenta (84%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 12.549, 263.066 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, 12.549, 263.066 by changing the saturation by 10% instead.

■ 16, 12.549,
263.066

■ 16, 12.549,
263.066

■ 100, 12.549,
263.066

■ 6, 12.549, 263.066

■ 36, 12.549,
263.066

■ 0, 12.549, 263.066

■ 46, 12.549,
263.066


■ 56, 12.549,
263.066


■ 66, 12.549,
263.066


■ 76, 12.549,
263.066


■ 86, 12.549,


263.066


 96, 12.549,
263.066

 16, 12.549,
263.066


 16, 12.549,
263.066

 15, 14.588,
265.640

 17, 10.465,
260.840


 13, 16.589,
268.586

 19, 8.335, 258.926


 12, 18.584,
271.763

 20, 6.164, 257.286

 22, 3.957, 255.884

 11, 20.672,
274.401

 23, 1.721, 254.716

 11, 21.185,
274.946

 24, 0.536, 73.276

■ 26, 2.807, 72.596

■ 27, 5.085, 71.820

■ 29, 7.366, 71.125

Harmonies

Complementary

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



16, 12.549, 263.066



18, 14.689, 67.769

Rectangle

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



16, 12.549, 263.066



16, 12.549, 313.066



16, 12.549, 83.066



16, 12.549, 133.066

Sweetspot

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



16, 12.549, 263.066



28, 4.726, 255.906



21, 18.354, 157.622



13, 3.190, 255.962



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, 12.549, 263.066



20, 18.349, 266.943



10, 23.772, 296.755



10, 1.229, 254.786



19, 31.119, 279.048



48, 63.260, 283.146

Inverse Universe

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



14, 19.242, 348.028



17, 27.694, 350.059



23, 20.820, 104.740



9, 1.802, 343.387



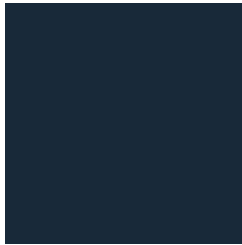
18, 40.616, 357.605



47, 75.746, 1.124

Previews

White Background



This preview shows how the CIELCh color 16, 12.549, 263.066 looks on a white background.

Color Contrast Check

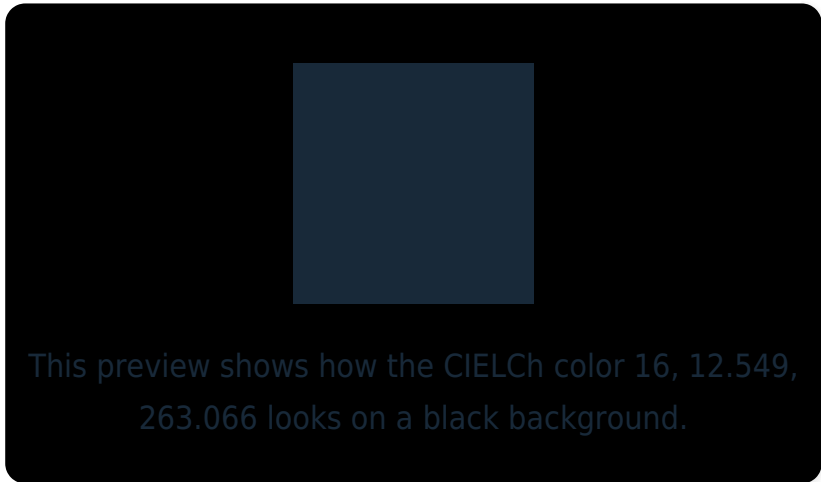
Large Text (above 18pt) WCAG AA ✓ Pass

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

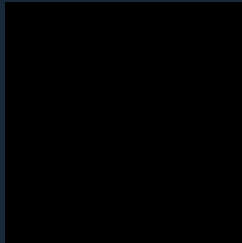
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

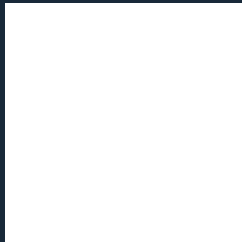
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 12.549, 263.066

Background



This preview shows how black text looks on a background with the CIELCh color 16, 12.549, 263.066.



This preview shows how white text looks on a background with the CIELCh color 16, 12.549, 263.066.

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

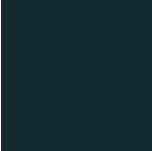
16, 12.549, 263.066

Protanopia

16, 11.982, 285.535

Deuteranopia

16, 13.447, 283.606



Tritanopia
16, 9.392, 215.179

Trichromacy



Original Color
16, 12.549, 263.066

Protanomaly
16, 11.618, 275.315

Deuteranomaly
16, 13.015, 276.319

Tritanomaly
16, 9.722, 239.067

Monochromacy



Original Color
16, 12.549, 263.066

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.927, 258.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 12.549, 263.066 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(24, 41, 57)` looks like.

```
.text, #text, p{  
  color:rgb(24, 41, 57)  
}
```

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(24, 41, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 41, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 12.549, 263.066 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(24, 41, 57) }
```

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

```
.border{ border-color:rgb(24, 41, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 41, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 41, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 41, 57);  
box-shadow:4px 4px 4px 4px rgb(24, 41, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 12.549, 263.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 41, 57) }
```

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

```
.background{ background-color: rgb(24, 41,  
57) }
```

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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