

Converting Colors

CIELCh(16, 10.513, 155.684)

Have a look what the booklet for
CIELCh(16, 10.513, 155.684)
contains.

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Color

CIELCh(16, 10.391, 154.936)

Conversions

Conversions Part 1

Format	Color
Hex	1B2B21
RGB	27, 43, 33
RGB Percent	11%, 17%, 13%
CMY	0.8929, 0.8301, 0.8694
CMYK	0.37, 0.00, 0.23, 0.83
HSL	142°, 23%, 14%
HSV	142°, 37%, 17%
XYZ	1.6141, 2.0993, 1.7812
YIQ	37.0760, -6.3260, -6.5020

Conversions

Conversions Part 2

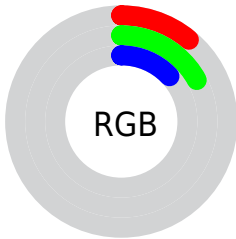
Format	Color
R_YB	27, 39, 43
Decimal	1780513
CIE _{Lab}	16.00, -9.41, 4.40
CIE _{LCh}	16, 10.391, 154.936
Yxy	2.0993, 0.2938, 0.3821
Android (android.graphics.Color)	4279970593 (0xFF1B2B21)
YUV	37.0760, -2.0095, -8.8367
Hunter-Lab	14.4890, -5.4707, 2.8536

Details

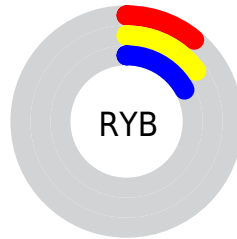
The CIELCh color **16, 10.391, 154.936** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 10.580, 339.836**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 10.018, 155.149**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.129, 154.056**, and if you desaturate by 10%, it is **16, 7.599, 155.726**.

Distribution



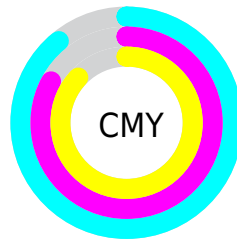
- Red (11%)
- Green (17%)
- Blue (13%)



- Red (11%)
- Yellow (15%)
- Blue (17%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (83%)



- Cyan (89%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 10.391, 154.936 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, 10.391, 154.936 by changing the saturation by 10% instead.

■ 16, 10.391,
154.936

■ 16, 10.391,
154.936

■ 100, 10.391,
154.936

■ 6, 10.391, 154.936

■ 36, 10.391,
154.936

■ 0, 10.391, 154.936

■ 46, 10.391,
154.936


■ 56, 10.391,
154.936


■ 66, 10.391,
154.936


■ 76, 10.391,
154.936


■ 86, 10.391,

154.936


 96, 10.391,
154.936

 16, 10.391,
154.936

 16, 10.391,
154.936


 16, 13.129,
154.056

 16, 7.599, 155.726


 15, 15.781,
153.077

 17, 4.779, 156.445

 17, 1.956, 157.123


 15, 18.312,
151.984

 18, 0.850, 337.492

 15, 20.691,
150.767

 18, 3.623, 338.136

 19, 6.350, 338.639

 15, 23.006,
149.681

 20, 9.023, 339.094

■ 14, 25.305,
149.106

■ 20, 11.637,
339.513

■ 14, 25.992,
149.037

■ 21, 14.186,
339.901

Harmonies

Complementary

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



16, 10.391, 154.936



12, 10.580, 339.836

Rectangle

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



16, 10.391, 154.936



16, 10.391, 204.936



16, 10.391, 334.936



16, 10.391, 24.936

Sweetspot

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



16, 10.391, 154.935



23, 3.848, 156.805



17, 11.401, 122.711



10, 2.518, 156.817



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 10.391, 154.935



21, 15.305, 154.091



16, 7.310, 185.973



6, 1.227, 157.079



31, 42.839, 145.609



74, 87.408, 143.466

Inverse Universe

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



12, 10.580, 339.836



16, 15.625, 340.567



12, 8.495, 11.638



6, 1.212, 337.869



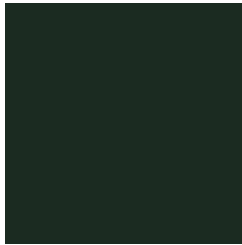
16, 40.101, 348.376



46, 76.716, 351.032

Previews

White Background



This preview shows how the CIELCh color 16, 10.391, 154.936 looks on a white background.

Color Contrast Check

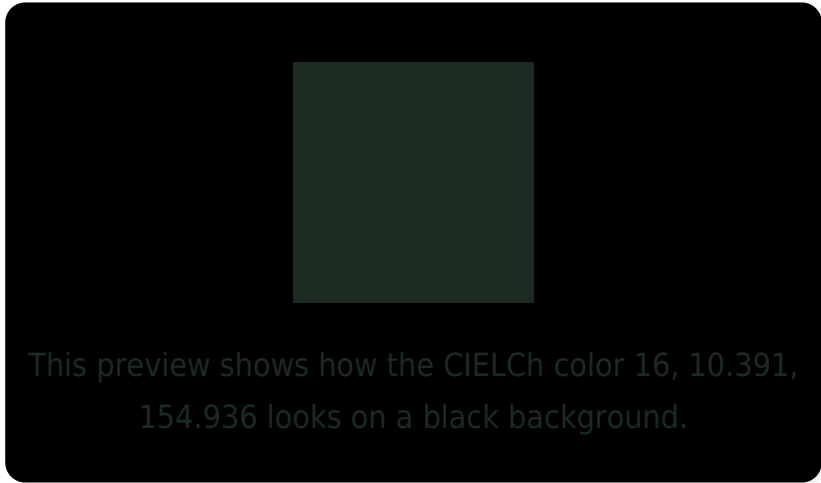
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.391, 154.936

Background



This preview shows how black text looks on a background with the CIELCh color 16, 10.391, 154.936.



This preview shows how white text looks on a background with the CIELCh color 16, 10.391, 154.936.

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, 10.391, 154.936

Protanopia

16, 5.663, 98.208

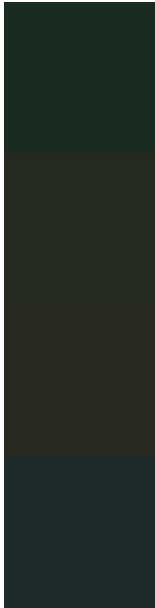
Deuteranopia

16, 4.561, 57.655



Tritanopia
16, 5.578, 220.666

Trichromacy



Original Color

16, 10.391, 154.936

Protanomaly

16, 6.591, 126.282

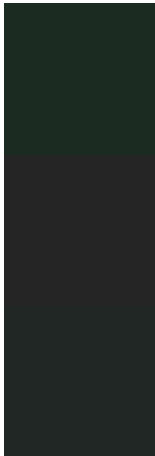
Deuteranomaly

16, 4.221, 115.855

Tritanomaly

16, 5.912, 191.268

Monochromacy



Original Color

16, 10.391, 154.936

Achromatopsia

15, 0.003, 296.813

Achromatomaly

15, 3.609, 162.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 10.391, 154.936 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(27, 43, 33)` looks like.

```
.text, #text, p{  
    color:rgb(27, 43, 33)  
}
```

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(27, 43, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 43, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 10.391, 154.936 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(27, 43, 33) }
```

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

```
.border{ border-color:rgb(27, 43, 33) }
```

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

Here you see how a box with a 4 pixel rgb(27, 43, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 43, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 43, 33);  
box-shadow:4px 4px 4px 4px rgb(27, 43, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 10.391, 154.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 43, 33) }
```

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

```
.background{ background-color: rgb(27, 43,  
33) }
```

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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