

Converting Colors

CIELCh(16, 13.202, 196.728)

Have a look what the booklet for
CIELCh(16, 13.202, 196.728)
contains.

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Color

CIELCh(16, 13.351, 196.685)

Conversions

Conversions Part 1

Format	Color
Hex	072D2D
RGB	7, 45, 45
RGB Percent	3%, 18%, 18%
CMY	0.9731, 0.8240, 0.8240
CMYK	0.85, 0.00, 0.00, 0.82
HSL	180°, 74%, 10%
HSV	180°, 85%, 18%
XYZ	1.4902, 2.0993, 2.7961
YIQ	33.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

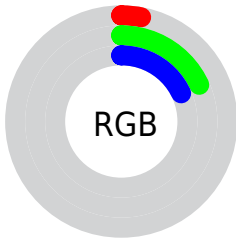
Format	Color
R_{YB}	7, 26, 45
Decimal	470317
CIE _{Lab}	16.00, -12.79, -3.83
CIE _{LCh}	16, 13.351, 196.685
Yxy	2.0993, 0.2334, 0.3288
Android (android.graphics.Color)	4278660397 (0xFF072D2D)
YUV	33.6380, 5.6015, -23.3615
Hunter-Lab	14.4890, -6.9971, -1.2995

Details

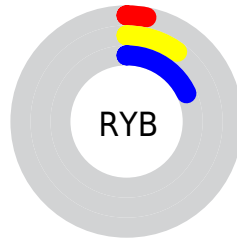
The CIELCh color **16, 13.351, 196.685** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 20.445, 20.891**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 13.192, 197.692**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.334, 196.493**, and if you desaturate by 10%, it is **16, 12.391, 196.872**.

Distribution



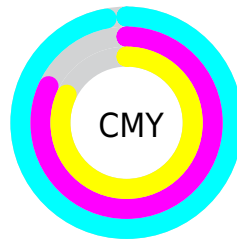
- Red (3%)
- Green (18%)
- Blue (18%)



- Red (3%)
- Yellow (10%)
- Blue (18%)



- Cyan (85%)
- Magenta (0%)
- Yellow (0%)
- Black (82%)



- Cyan (97%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 13.351, 196.685 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, 13.351, 196.685 by changing the saturation by 10% instead.

■ 16, 13.351,
196.685

■ 16, 13.351,
196.685

■ 100, 13.351,
196.685

■ 6, 13.351, 196.685

■ 36, 13.351,
196.685

■ 0, 13.351, 196.685

■ 46, 13.351,
196.685


■ 56, 13.351,
196.685


■ 66, 13.351,
196.685


■ 76, 13.351,
196.685


■ 86, 13.351,


196.685


 96, 13.351,
196.685


 16, 13.351,
196.685

 16, 13.351,
196.685

 16, 14.334,
196.493

 16, 12.391,
196.872

 16, 14.865,
196.390

 16, 11.280,
197.092

 17, 9.965, 197.356

 17, 8.463, 197.662

 17, 6.793, 198.009

 17, 4.977, 198.395

■ 18, 3.037, 198.827

■ 18, 0.995, 199.392

■ 19, 1.126, 19.476

Harmonies

Complementary

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



16, 13.351, 196.685



6, 20.445, 20.891

Rectangle

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



16, 13.351, 196.685



16, 13.351, 246.685



16, 13.351, 16.685



16, 13.351, 66.685

Sweetspot

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



16, 13.351, 196.684



23, 6.275, 198.324



15, 29.199, 140.201



11, 4.325, 198.304



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 13.351, 196.684



22, 17.588, 196.390



9, 15.063, 270.843



7, 1.112, 199.526



33, 22.836, 196.391



78, 43.935, 196.391

Inverse Universe

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



8, 29.591, 327.757



11, 40.560, 328.234



11, 15.911, 63.008



7, 1.977, 324.413



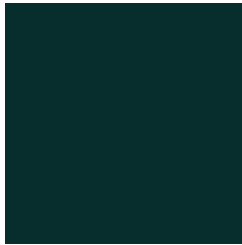
19, 52.662, 328.234



51, 101.317, 328.234

Previews

White Background



This preview shows how the CIELCh color 16, 13.351, 196.685 looks on a white background.

Color Contrast Check

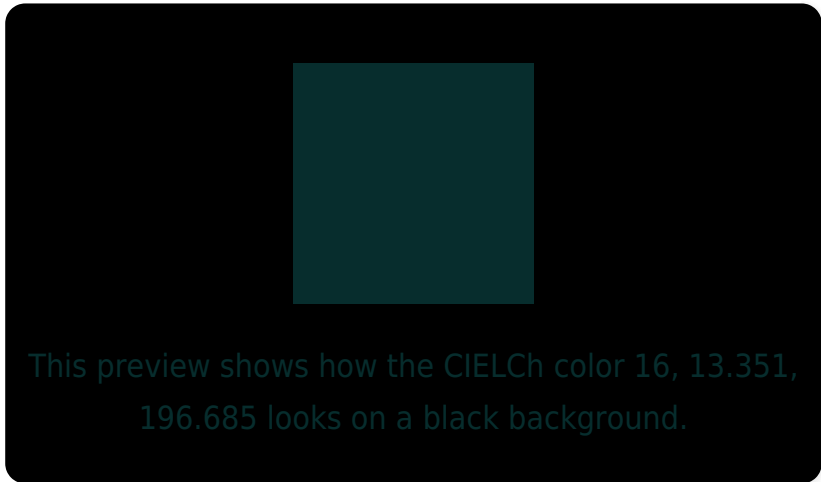
Large Text (above 18pt) WCAG AA ✓ Pass

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

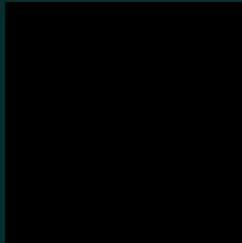
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

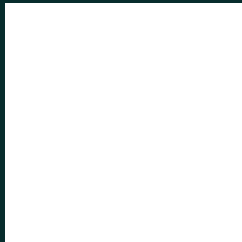
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 13.351, 196.685

Background



This preview shows how black text looks on a background with the CIELCh color 16, 13.351, 196.685.



This preview shows how white text looks on a background with the CIELCh color 16, 13.351, 196.685.

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, 13.351, 196.685

Protanopia

16, 1.402, 290.567

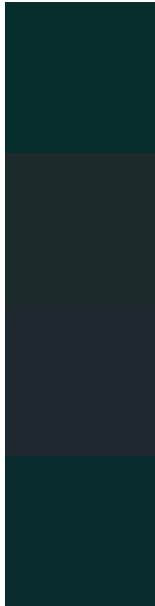
Deuteranopia

16, 5.013, 302.034



Tritanopia
16, 12.131, 210.599

Trichromacy



Original Color
16, 13.351, 196.685

Protanomaly
16, 6.159, 204.707

Deuteranomaly
16, 6.122, 233.747

Tritanomaly
16, 12.356, 206.892

Monochromacy



Original Color
16, 13.351, 196.685

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 6.244, 197.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 13.351, 196.685 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(7, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(7, 45, 45)  
}
```

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(7, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 45, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 13.351, 196.685 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(7, 45, 45) }
```

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

```
.border{ border-color:rgb(7, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(7, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 45, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 45, 45); box-shadow:4px  
4px 4px 4px rgb(7, 45, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 13.351, 196.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 45, 45) }
```

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

```
.background{ background-color: rgb(7, 45,  
45) }
```

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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