

Converting Colors

CIELCh(16, 10.382, 121.492)

Have a look what the booklet for
CIELCh(16, 10.382, 121.492)
contains.

CIELCh(16, 10.665, 121.473)	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, 10.665, 121.473)

Conversions

Conversions Part 1

Format	Color
Hex	252A1B
RGB	37, 42, 27
RGB Percent	15%, 16%, 11%
CMY	0.8561, 0.8365, 0.8953
CMYK	0.12, 0.00, 0.36, 0.84
HSL	80°, 22%, 13%
HSV	80°, 36%, 16%
XYZ	1.7633, 2.0993, 1.3314
YIQ	38.7950, 1.8350, -5.7250

Conversions

Conversions Part 2

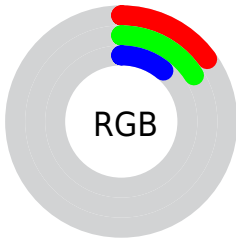
Format	Color
RYB	27, 42, 32
Decimal	2435611
CIELab	16.00, -5.57, 9.10
CIElCh	16, 10.665, 121.473
Yxy	2.0993, 0.3395, 0.4042
Android (android.graphics.Color)	4280625691 (0xFF252A1B)
YUV	38.7950, -5.8149, -1.5742
Hunter-Lab	14.4890, -3.6324, 4.6941

Details

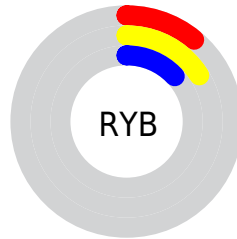
The CIELCh color **16, 10.665, 121.473** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 11.264, 304.871**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 10.711, 120.540**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.562, 121.038**, and if you desaturate by 10%, it is **16, 7.722, 121.924**.

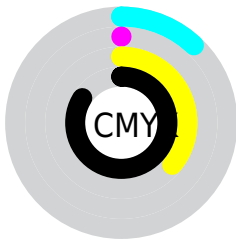
Distribution



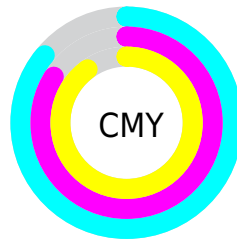
- Red (15%)
- Green (16%)
- Blue (11%)



- Red (11%)
- Yellow (16%)
- Blue (13%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (84%)



- Cyan (86%)
- Magenta (84%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 10.665, 121.473 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, 10.665, 121.473 by changing the saturation by 10% instead.

■ 16, 10.665,
121.473

■ 16, 10.665,
121.473

■ 100, 10.665,
121.473

■ 6, 10.665, 121.473

■ 36, 10.665,
121.473

■ 0, 10.665, 121.473

■ 46, 10.665,
121.473


■ 56, 10.665,
121.473


■ 66, 10.665,
121.473


■ 76, 10.665,
121.473


■ 86, 10.665,

121.473


 96, 10.665,
121.473

 16, 10.665,
121.473

 16, 10.665,
121.473


 16, 13.562,
121.038

 16, 7.722, 121.924


 16, 16.362,
120.674

 16, 4.751, 122.372

 17, 1.769, 122.816


 15, 18.808,
120.778

 17, 1.213, 303.209

 15, 20.850,
121.251

 17, 4.186, 303.624

 18, 7.144, 304.008

 15, 22.705,
121.828

 18, 10.082,

■ 15, 24.577,
122.348

304.369

■ 15, 25.341,
122.546

■ 18, 12.996,
304.707

■ 19, 15.882,
305.024

Harmonies

Complementary

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



16, 10.665, 121.473



11, 11.264, 304.871

Rectangle

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



16, 10.665, 121.473



16, 10.665, 171.473



16, 10.665, 301.473



16, 10.665, 351.473

Sweetspot

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



16, 10.666, 121.475



22, 4.051, 122.563



13, 6.495, 53.539



10, 2.757, 122.566



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, 10.666, 121.475



21, 15.692, 121.055



15, 12.195, 138.235



6, 1.341, 123.418



32, 45.739, 120.245



78, 89.829, 121.600

Inverse Universe

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



11, 11.264, 304.871



13, 16.857, 305.459



12, 12.324, 321.097



6, 1.341, 302.694



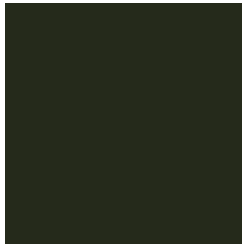
8, 57.061, 309.611



30, 112.282, 308.702

Previews

White Background



This preview shows how the CIELCh color 16, 10.665, 121.473 looks on a white background.

Color Contrast Check

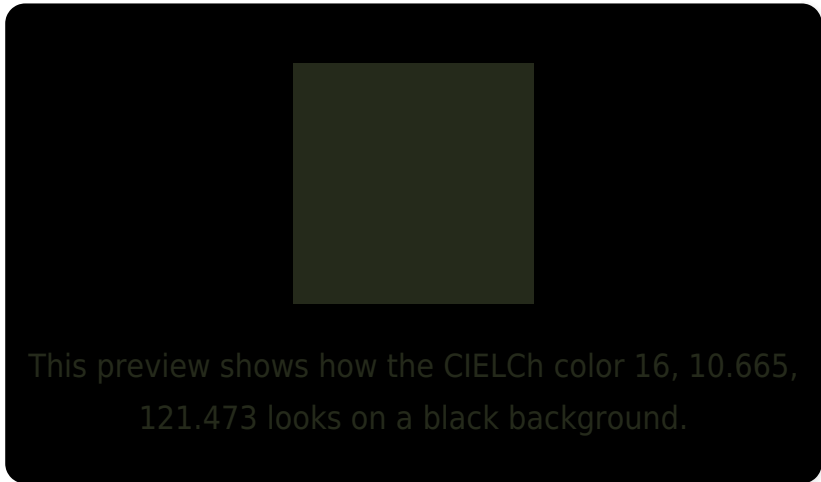
Large Text (above 18pt) WCAG AA ✓ Pass

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

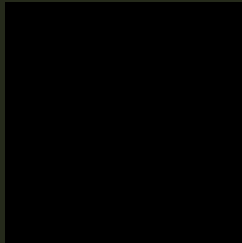
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

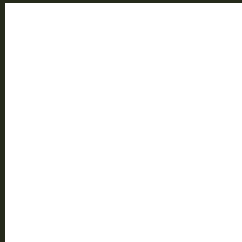
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 10.665, 121.473

Background



This preview shows how black text looks on a background with the CIELCh color 16, 10.665, 121.473.

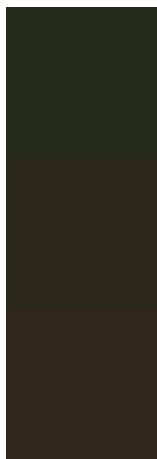


This preview shows how white text looks on a background with the CIELCh color 16, 10.665, 121.473.

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, 10.665, 121.473

Protanopia

16, 9.836, 98.140

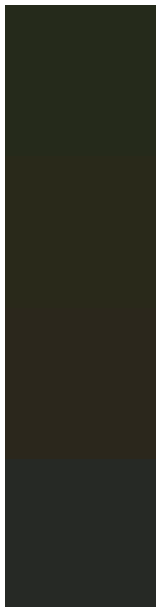
Deuteranopia

16, 8.547, 73.974



Tritanopia
16, 2.146, 278.174

Trichromacy



Original Color
16, 10.665, 121.473

Protanomaly
16, 10.346, 107.370

Deuteranomaly
16, 7.964, 92.641

Tritanomaly
16, 3.165, 136.976

Monochromacy



Original Color
16, 10.665, 121.473

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 3.543, 117.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 10.665, 121.473 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(37, 42, 27)` looks like.

```
.text, #text, p{  
    color:rgb(37, 42, 27)  
}
```

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(37, 42, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 42, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 10.665, 121.473 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(37, 42, 27) }
```

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

```
.border{ border-color:rgb(37, 42, 27) }
```

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

Here you see how a box with a 4 pixel rgb(37, 42, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 42, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 42, 27);  
box-shadow:4px 4px 4px 4px rgb(37, 42, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 10.665, 121.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 42, 27) }
```

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

```
.background{ background-color: rgb(37, 42,  
27) }
```

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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