

Converting Colors

CIELCh(18, 50.735, 122.732)

Have a look what the booklet for
CIELCh(18, 50.735, 122.732)
contains.

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Color

CIELCh(18, 35.732, 135.342)

Conversions

Conversions Part 1

Format	Color
Hex	0A3400
RGB	10, 52, 0
RGB Percent	4%, 20%, 0%
CMY	0.9609, 0.7962, 1.0000
CMYK	0.81, 0.00, 1.00, 0.80
HSL	108°, 100%, 10%
HSV	108°, 100%, 20%
XYZ	1.3516, 2.5180, 0.4138
YIQ	33.5140, -8.3400, -25.0760

Conversions

Conversions Part 2

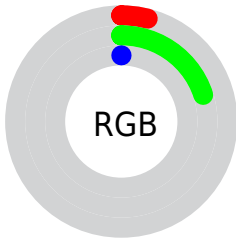
Format	Color
RYB	0, 52, 42
Decimal	668672
CIELab	18.00, -25.42, 25.12
CIELCh	18, 35.732, 135.342
Yxy	2.5180, 0.3155, 0.5879
Android (android.graphics.Color)	4278858752 (0xFF0A3400)
YUV	33.5140, -16.5224, -20.6218
Hunter-Lab	15.8683, -12.5661, 9.5616

Details

The CIELCh color **18, 35.732, 135.342** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 37.718, 321.881**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 35.517, 135.158**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 35.721, 135.352**, and if you desaturate by 10%, it is **18, 33.166, 135.514**.

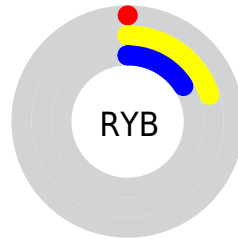
Distribution



Red (4%)

Green (20%)

Blue (0%)



Red (0%)

Yellow (20%)

Blue (16%)

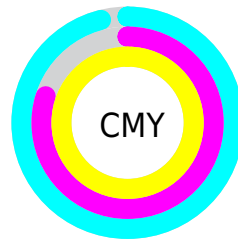


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (80%)



Cyan (96%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 35.732, 135.342 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 18, 35.732, 135.342 by changing the saturation by 10% instead.

 18, 35.732,
135.342


 18, 35.732,
135.342


 100, 35.732,
135.342


 8, 35.732, 135.342


 38, 35.732,
135.342

 0, 35.732, 135.342

 48, 35.732,
135.342


 58, 35.732,
135.342


 68, 35.732,
135.342


 78, 35.732,
135.342


 88, 35.732,


135.342


 98, 35.732,
135.342


 18, 35.732,
135.342


 18, 35.732,
135.342

 18, 35.721,
135.352

 18, 33.166,
135.514

 18, 30.533,
135.452

 19, 27.513,
135.533

 19, 23.954,
136.073

 19, 20.153,
136.656

■ 20, 16.206,
137.222

■ 20, 12.174,
137.752

■ 21, 8.105, 138.239

■ 21, 4.036, 138.684

Harmonies

Complementary

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



18, 35.732, 135.342



7, 37.718, 321.881

Rectangle

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



18, 35.732, 135.342



18, 35.732, 185.342



18, 35.732, 315.342



18, 35.732, 5.342

Sweetspot

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



18, 35.721, 135.352



26, 14.930, 137.678



17, 24.924, 90.540



12, 9.958, 137.679



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 35.721, 135.352



24, 43.645, 133.958



18, 31.626, 144.979



9, 2.191, 138.787



32, 54.215, 134.002



76, 104.279, 134.841

Inverse Universe

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



7, 37.718, 321.881



10, 44.596, 321.755



8, 30.915, 341.643



8, 2.203, 319.331



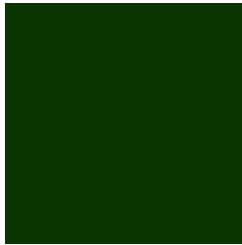
16, 54.585, 321.467



44, 104.080, 320.917

Previews

White Background



This preview shows how the CIELCh color 18, 35.732, 135.342 looks on a white background.

Color Contrast Check

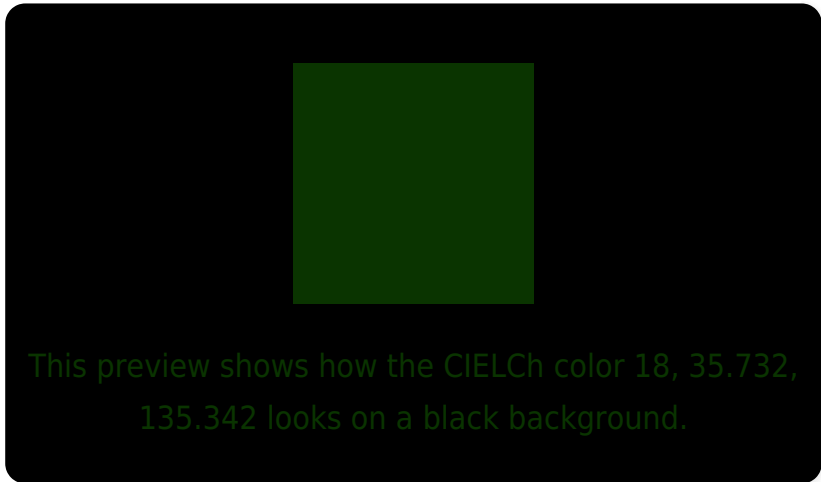
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 35.732, 135.342

Background



This preview shows how black text looks on a background with the CIELCh color 18, 35.732, 135.342.



This preview shows how white text looks on a background with the CIELCh color 18, 35.732, 135.342.

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](#).

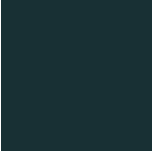
Dichromacy



Original Color
18, 35.732, 135.342

Protanopia
18, 26.215, 97.930

Deuteranopia
18, 21.609, 83.430



Tritanopia
18, 9.718, 214.315

Trichromacy



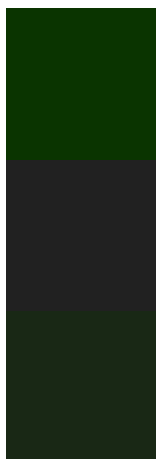
Original Color
18, 35.732, 135.342

Protanomaly
18, 28.608, 118.399

Deuteranomaly
17, 24.042, 113.772

Tritanomaly
18, 17.302, 156.602

Monochromacy



Original Color
18, 35.732, 135.342

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 15.297, 136.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 35.732, 135.342 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(10, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(10, 52, 0)  
}
```

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(10, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 52, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 35.732, 135.342 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(10, 52, 0) }
```

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

```
.border{ border-color:rgb(10, 52, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 52, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(10, 52, 0); box-shadow:4px  
4px 4px 4px rgb(10, 52, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 35.732, 135.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 52, 0) }
```

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

```
.background{ background-color: rgb(10, 52,  
0) }
```

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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