

Converting Colors

CIELCh(16, 43.608, 156.424)

Have a look what the booklet for
CIELCh(16, 43.608, 156.424)
contains.

CIELCh(17, 32.514, 143.337)	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(17, 32.514, 143.337)

Conversions

Conversions Part 1

Format	Color
Hex	00320B
RGB	0, 50, 11
RGB Percent	0%, 20%, 4%
CMY	1.0000, 0.8038, 0.9577
CMYK	1.00, 0.00, 0.78, 0.80
HSL	133°, 100%, 10%
HSV	133°, 100%, 20%
XYZ	1.1918, 2.3023, 0.6919
YIQ	30.6040, -17.2810, -22.7290

Conversions

Conversions Part 2

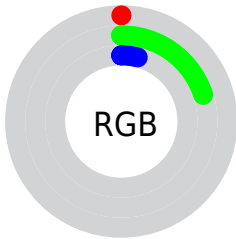
Format	Color
RYB	0, 41, 50
Decimal	12811
CIELab	17.00, -26.08, 19.41
CIELCh	17, 32.514, 143.337
Yxy	2.3023, 0.2847, 0.5500
Android (android.graphics.Color)	4278202891 (0xFF00320B)
YUV	30.6040, -9.6648, -26.8397
Hunter-Lab	15.1734, -12.5334, 7.9180

Details

The CIELCh color **17, 32.514, 143.337** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 31.781, 337.035**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 32.066, 143.304**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 32.375, 143.082**, and if you desaturate by 10%, it is **17, 29.906, 143.312**.

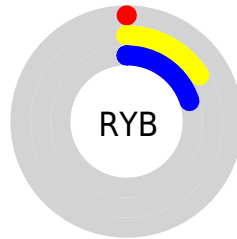
Distribution



Red (0%)

Green (20%)

Blue (4%)



Red (0%)

Yellow (16%)

Blue (20%)

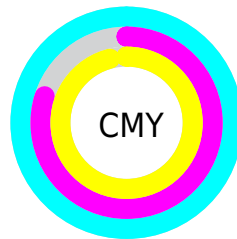


Cyan (100%)

Magenta (0%)

Yellow (78%)

Black (80%)



Cyan (100%)


Magenta (80%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 32.514, 143.337 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 17, 32.514, 143.337 by changing the saturation by 10% instead.

 17, 32.514,
143.337


 17, 32.514,
143.337


 100, 32.514,
143.337


 7, 32.514, 143.337


 37, 32.514,
143.337

 0, 32.514, 143.337

 47, 32.514,
143.337


 57, 32.514,
143.337


 67, 32.514,
143.337


 77, 32.514,
143.337


 87, 32.514,


143.337


 97, 32.514,
143.337

 17, 32.514,
143.337


 17, 32.514,
143.337


 17, 32.375,
143.082

 17, 29.906,
143.312

 17, 27.213,
144.230

 18, 24.294,
145.458

 18, 21.135,
146.573

 18, 17.793,
147.571

■ 19, 14.319,
148.459

■ 19, 10.762,
149.246

■ 20, 7.167, 149.944

■ 20, 3.569, 150.574

Harmonies

Complementary

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



17, 32.514, 143.337



7, 31.781, 337.035

Rectangle

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



17, 32.514, 143.337



17, 32.514, 193.337



17, 32.514, 323.337



17, 32.514, 13.337

Sweetspot

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



17, 32.375, 143.082



26, 13.630, 149.118



19, 29.303, 114.609



11, 9.096, 149.066



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 32.375, 143.082



24, 40.223, 141.253



17, 21.084, 165.891



9, 2.001, 150.680



32, 50.283, 140.295



76, 99.267, 138.725

Inverse Universe

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



7, 31.781, 337.035



12, 37.865, 337.647



6, 26.181, 8.188



8, 2.008, 331.474



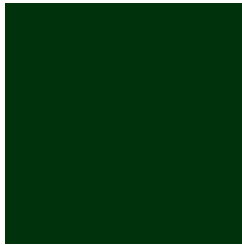
18, 45.988, 338.191



49, 86.385, 339.272

Previews

White Background



This preview shows how the CIELCh color 17, 32.514, 143.337 looks on a white background.

Color Contrast Check

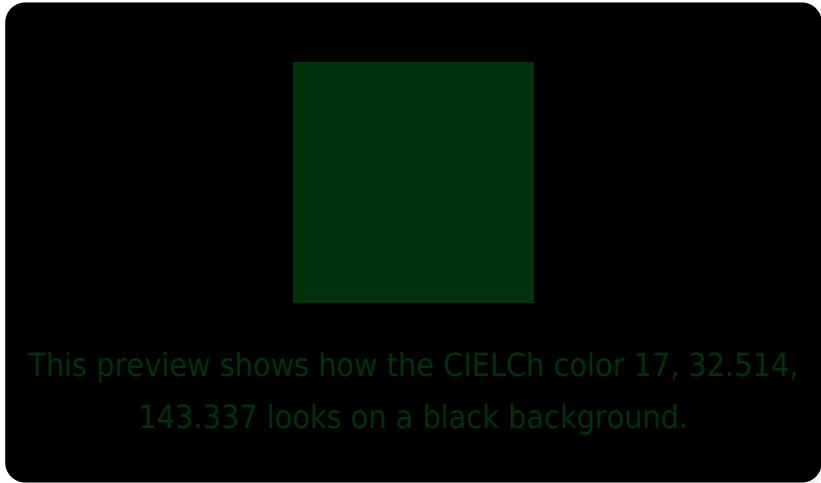
Large Text (above 18pt) WCAG AA ✓ Pass

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

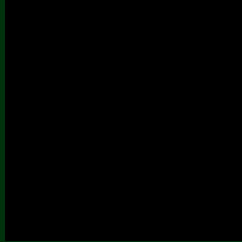
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 32.514, 143.337

Background



This preview shows how black text looks on a background with the CIELCh color 17, 32.514, 143.337.



This preview shows how white text looks on a background with the CIELCh color 17, 32.514, 143.337.

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

17, 32.284, 143.182

Protanopia

17, 21.435, 97.307

Deuteranopia

17, 18.754, 84.370



Tritanopia
18, 10.255, 209.281

Trichromacy



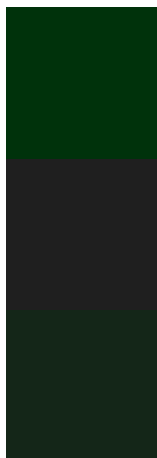
Original Color
17, 32.284, 143.182

Protanomaly
17, 23.986, 124.121

Deuteranomaly
16, 20.811, 120.153

Tritanomaly
17, 16.674, 166.102

Monochromacy



Original Color
17, 32.284, 143.182

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 13.335, 148.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 32.514, 143.337 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(0, 50, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 11)  
}
```

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(0, 50, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 32.514, 143.337 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(0, 50, 11) }
```

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

```
.border{ border-color:rgb(0, 50, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 50, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 11); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 50, 11); box-shadow:4px  
4px 4px 4px rgb(0, 50, 11) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 32.514, 143.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 11) }
```

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

```
.background{ background-color: rgb(0, 50,  
11) }
```

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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