

Converting Colors

CIELCh(30, 63.562, 155.064)

Have a look what the booklet for
CIELCh(30, 63.562, 155.064)
contains.

CIELCh(32, 47.944, 141.938)	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(32, 47.944, 141.938)

Conversions

Conversions Part 1

Format	Color
Hex	005818
RGB	0, 88, 24
RGB Percent	0%, 35%, 9%
CMY	0.9985, 0.6540, 0.9050
CMYK	1.00, 0.00, 0.73, 0.65
HSL	136°, 99%, 17%
HSV	136°, 100%, 35%
XYZ	3.6798, 7.0852, 2.0494
YIQ	54.3920, -31.9040, -38.5600

Conversions

Conversions Part 2

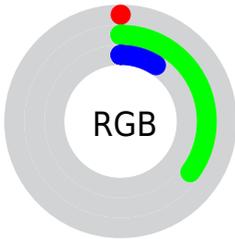
Format	Color
RYB	0, 69, 88
Decimal	22552
CIELab	32.00, -37.75, 29.56
CIELCh	32, 47.944, 141.938
Yxy	7.0852, 0.2872, 0.5529
Android (android.graphics.Color)	4278212632 (0xFF005818)
YUV	54.3920, -14.9833, -47.7018
Hunter-Lab	26.6180, -21.9044, 14.0678

Details

The CIELCh color **32, 47.944, 141.938** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 43.875, 341.433**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 47.854, 142.031**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **32, 48.086, 141.885**, and if you desaturate by 10%, it is **32, 44.602, 143.364**.

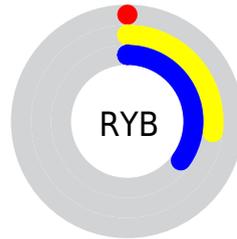
Distribution



Red (0%)

Green (35%)

Blue (9%)



Red (0%)

Yellow (27%)

Blue (35%)

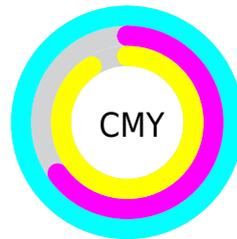


Cyan (100%)

Magenta (0%)

Yellow (73%)

Black (65%)



Cyan (100%)

Magenta (65%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 47.944, 141.938 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 32, 47.944, 141.938 by changing the saturation by 10% instead.

 32, 47.944,
141.938

 32, 47.944,
141.938

 100, 47.944,
141.938

 22, 47.944,
141.938

 52, 47.944,
141.938

 12, 47.944,
141.938

 62, 47.944,
141.938

 2, 47.944, 141.938

 72, 47.944,
141.938

 0, 47.944, 141.938

 82, 47.944,
141.938

 92, 47.944,
141.938

■ 32, 47.944,
141.938

■ 32, 47.944,
141.938

■ 32, 48.086,
141.885

■ 32, 44.602,
143.364

■ 32, 40.910,
144.994

■ 33, 36.700,
146.497

■ 33, 32.048,
147.851

■ 34, 27.041,
149.052

■ 34, 21.773,
150.110

■ 35, 16.335,
151.038

■ 36, 10.808,

151.854

■ 37, 5.263, 152.583

Harmonies

Complementary

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



32, 47.944, 141.938



18, 43.875, 341.433

Rectangle

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



32, 47.944, 141.938



32, 47.944, 191.938



32, 47.944, 321.938



32, 47.944, 11.938

Sweetspot

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



32, 47.944, 141.938



45, 20.584, 150.913



34, 46.292, 117.245



23, 14.144, 150.671



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 47.944, 141.938



42, 58.767, 141.185



33, 29.214, 169.258



17, 3.035, 152.640



39, 55.743, 141.352



82, 102.233, 140.006

Inverse Universe

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



18, 43.875, 341.433



25, 52.576, 342.042



16, 40.508, 21.986



16, 3.048, 333.644



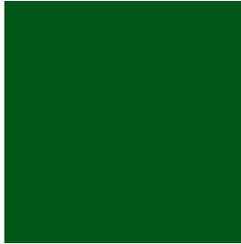
23, 50.131, 341.904



52, 88.072, 343.107

Previews

White Background



This preview shows how the CIELCh color 32, 47.944, 141.938 looks on a white background.

Color Contrast Check

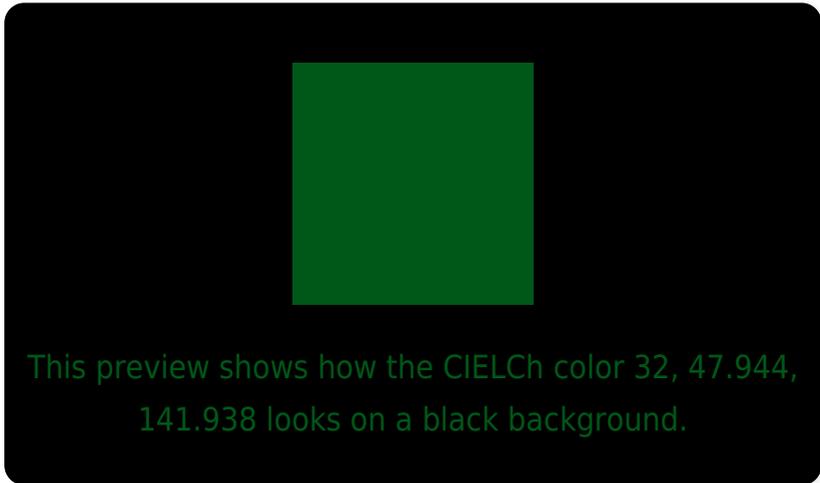
Large Text (above 18pt) WCAG AA ✓ Pass

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

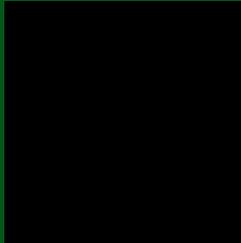
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 47.944, 141.938

Background



This preview shows how black text looks on a background with the CIELCh color 32, 47.944, 141.938.



This preview shows how white text looks on a background with the CIELCh color 32, 47.944, 141.938.

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
32, 47.944, 141.938

Protanopia
32, 32.741, 96.056

Deuteranopia
32, 28.490, 81.676



Tritanopia
32, 16.063, 213.564

Trichromacy



Original Color
32, 47.944, 141.938

Protanomaly
31, 36.245, 124.455

Deuteranomaly
31, 31.273, 121.166

Tritanomaly
32, 25.154, 167.299

Monochromacy



Original Color
32, 47.944, 141.938

Achromatopsia
23, 0.004, 296.813

Achromatomaly
25, 20.654, 149.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 47.944, 141.938 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, 88, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 24)  
}
```

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, 88, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 47.944, 141.938 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, 88, 24) }
```

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

```
.border{ border-color:rgb(0, 88, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 24); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 88, 24); box-shadow:4px  
4px 4px 4px rgb(0, 88, 24) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 47.944, 141.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 24) }
```

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

```
.background{ background-color: rgb(0, 88,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor