

Converting Colors

CIELCh(32, 45.608, 133.778)

Have a look what the booklet for
CIELCh(32, 45.608, 133.778)
contains.

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Color

CIELCh(32, 45.492, 133.869)

Conversions

Conversions Part 1

Format	Color
Hex	215611
RGB	33, 86, 17
RGB Percent	13%, 34%, 7%
CMY	0.8690, 0.6613, 0.9318
CMYK	0.61, 0.00, 0.80, 0.66
HSL	106°, 66%, 20%
HSV	106°, 80%, 34%
XYZ	4.1010, 7.0852, 1.6974
YIQ	62.2870, -9.4390, -32.6950

Conversions

Conversions Part 2

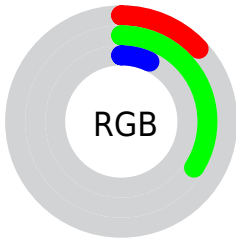
Format	Color
R_YB	17, 86, 70
Decimal	2184721
CIE Lab	32.00, -31.53, 32.80
CIE LCh	32, 45.492, 133.869
Yxy	7.0852, 0.3183, 0.5499
Android (android.graphics.Color)	4280374801 (0xFF215611)
YUV	62.2870, -22.3265, -25.6847
Hunter-Lab	26.6180, -19.0798, 14.8516

Details

The CIELCh color **32, 45.492, 133.869** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **17, 46.616, 320.354**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 45.234, 134.077**, and **13, 29.984, 142.357** is the 20% darker color. If you saturate the color by 10%, you get **32, 49.145, 133.730**, and if you desaturate by 10%, it is **32, 40.983, 134.242**.

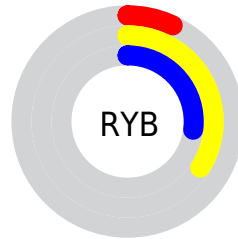
Distribution



Red (13%)

Green (34%)

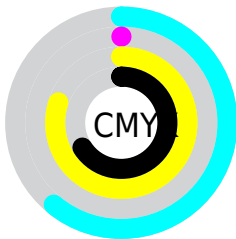
Blue (7%)



Red (7%)

Yellow (34%)

Blue (27%)

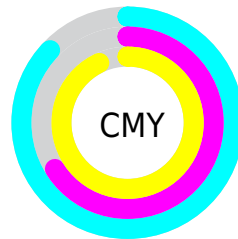


Cyan (61%)

Magenta (0%)

Yellow (80%)

Black (66%)



Cyan (87%)


Magenta (66%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 45.492, 133.869 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, 45.492, 133.869 by changing the saturation by 10% instead.


 32, 45.492,
133.869


 32, 45.492,
133.869

 100, 45.492,
133.869

 22, 45.492,
133.869

 52, 45.492,
133.869


 12, 45.492,
133.869


 62, 45.492,
133.869

 2, 45.492, 133.869

 72, 45.492,
133.869

 0, 45.492, 133.869

 82, 45.492,
133.869

 92, 45.492,
133.869

■ 32, 45.492,
133.869

■ 32, 45.492,
133.869

■ 32, 49.145,
133.730

■ 32, 40.983,
134.242

■ 31, 52.519,
133.350

■ 33, 35.829,
134.755

■ 31, 52.562,
133.342

■ 33, 30.229,
135.330

■ 34, 24.343,
135.911

■ 34, 18.289,
136.466

■ 35, 12.158,
136.981

■ 36, 6.018, 137.452

■ 37, 0.082, 316.513

Harmonies

Complementary

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



32, 45.492, 133.869



17, 46.616, 320.354

Rectangle

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



32, 45.492, 133.869



32, 45.492, 183.869



32, 45.492, 313.869



32, 45.492, 3.869

Sweetspot

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



32, 45.492, 133.870



45, 18.235, 136.733



31, 32.644, 89.033



22, 12.392, 136.620



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



32, 45.492, 133.870



41, 62.119, 133.805



32, 40.485, 144.826



17, 3.420, 137.501



39, 61.337, 133.676



82, 110.042, 134.396

Inverse Universe

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



17, 46.616, 320.354



21, 63.182, 320.024



19, 39.162, 338.940



16, 3.440, 318.165



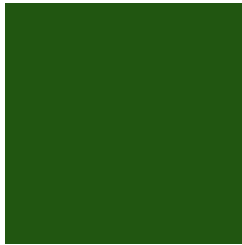
20, 62.396, 319.977



47, 111.179, 319.470

Previews

White Background



This preview shows how the CIELCh color 32, 45.492, 133.869 looks on a white background.

Color Contrast Check

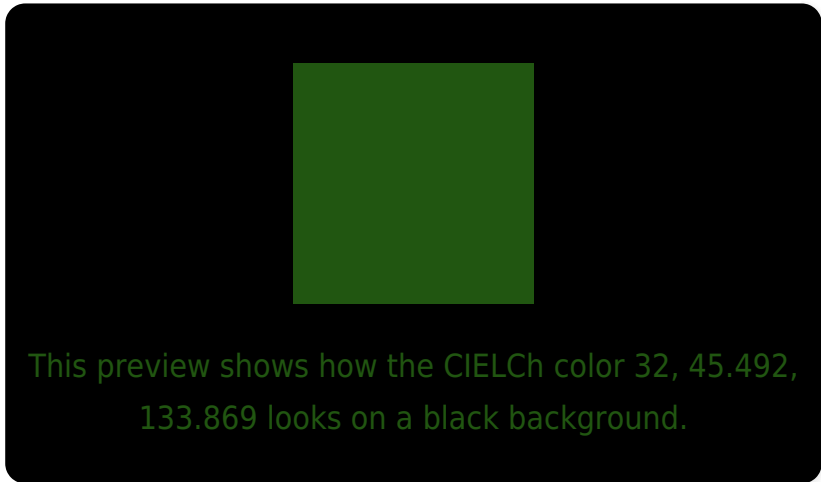
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.492, 133.869

Background



This preview shows how black text looks on a background with the CIELCh color 32, 45.492, 133.869.



This preview shows how white text looks on a background with the CIELCh color 32, 45.492, 133.869.

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, 45.492, 133.869

Protanopia

32, 34.960, 95.210

Deuteranopia

32, 30.775, 81.791



Tritanopia
32, 12.420, 218.996

Trichromacy



Original Color
32, 45.492, 133.869

Protanomaly
31, 36.515, 114.126

Deuteranomaly
31, 32.451, 108.801

Tritanomaly
32, 20.579, 158.624

Monochromacy



Original Color
32, 45.492, 133.869

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 18.263, 136.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 45.492, 133.869 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(33, 86, 17)` looks like.

```
.text, #text, p{  
    color:rgb(33, 86, 17)  
}
```

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(33, 86, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 86, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 45.492, 133.869 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(33, 86, 17) }
```

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

```
.border{ border-color:rgb(33, 86, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 86, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 86, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 86, 17);  
box-shadow:4px 4px 4px 4px rgb(33, 86, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 45.492, 133.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 86, 17) }
```

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

```
.background{ background-color: rgb(33, 86,  
17) }
```

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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