

Converting Colors

CIELCh(32, 33.060, 131.649)

Have a look what the booklet for
CIELCh(32, 33.060, 131.649)
contains.

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Color

CIELCh(32, 33.099, 131.624)

Conversions

Conversions Part 1

Format	Color
Hex	335322
RGB	51, 83, 34
RGB Percent	20%, 33%, 13%
CMY	0.7983, 0.6728, 0.8651
CMYK	0.38, 0.00, 0.59, 0.67
HSL	99°, 42%, 23%
HSV	99°, 59%, 33%
XYZ	4.8075, 7.0852, 2.6578
YIQ	67.8460, -3.3430, -22.0230

Conversions

Conversions Part 2

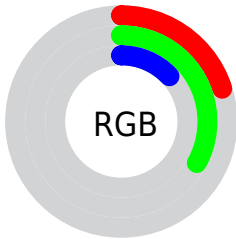
Format	Color
R_YB	34, 83, 66
Decimal	3363618
CIE _{Lab}	32.00, -21.99, 24.74
CIE _{LCh}	32, 33.099, 131.624
Y _{xy}	7.0852, 0.3304, 0.4869
Android (android.graphics.Color)	4281553698 (0xFF335322)
Y _{UV}	67.8460, -16.6861, -14.7739
Hunter-Lab	26.6180, -14.3426, 12.7125

Details

The CIELCh color **32, 33.099, 131.624** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 34.709, 316.469**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 33.193, 131.431**, and **12, 27.200, 139.828** is the 20% darker color. If you saturate the color by 10%, you get **32, 38.047, 131.265**, and if you desaturate by 10%, it is **32, 27.781, 132.070**.

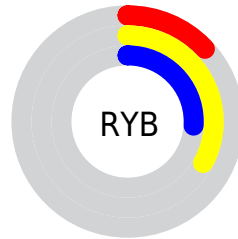
Distribution



Red (20%)

Green (33%)

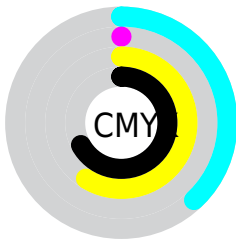
Blue (13%)



Red (13%)

Yellow (33%)

Blue (26%)

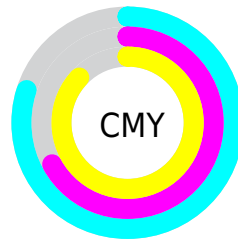


Cyan (38%)

Magenta (0%)

Yellow (59%)

Black (67%)



Cyan (80%)


Magenta (67%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 33.099, 131.624 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, 33.099, 131.624 by changing the saturation by 10% instead.


 32, 33.099,
131.624


 32, 33.099,
131.624

 100, 33.099,
131.624


 22, 33.099,
131.624

 52, 33.099,
131.624


 12, 33.099,
131.624


 62, 33.099,
131.624

 2, 33.099, 131.624

 72, 33.099,
131.624

 0, 33.099, 131.624

 82, 33.099,
131.624

 92, 33.099,
131.624

■ 32, 33.099,
131.624

■ 32, 33.099,
131.624

■ 32, 38.047,
131.265

■ 32, 27.781,
132.070

■ 31, 42.448,
131.067

■ 33, 22.227,
132.547

■ 31, 46.098,
131.128

■ 34, 16.537,
133.021

■ 31, 49.500,
131.044

■ 34, 10.785,
133.475

■ 31, 49.936,
130.999

■ 35, 5.024, 133.902

■ 36, 0.707, 314.139

■ 36, 6.379, 314.593

■ 37, 11.972,
314.904

■ 38, 17.471,
315.175

Harmonies

Complementary

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



32, 33.099, 131.624



20, 34.709, 316.469

Rectangle

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



32, 33.099, 131.624



32, 33.099, 181.624



32, 33.099, 311.624



32, 33.099, 1.624

Sweetspot

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



32, 33.100, 131.625



45, 12.960, 133.481



29, 22.191, 82.567



22, 9.081, 133.396



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, 33.100, 131.625



41, 48.668, 131.145



31, 33.098, 144.020



16, 3.143, 133.905



39, 58.713, 131.444



82, 106.484, 132.411

Inverse Universe

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



20, 34.709, 316.469



24, 51.476, 316.795



22, 32.840, 332.176



15, 3.169, 314.530



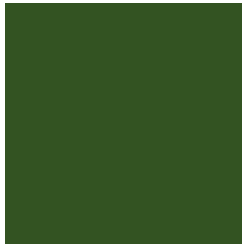
17, 62.524, 316.452



42, 112.632, 315.766

Previews

White Background



This preview shows how the CIELCh color 32, 33.099, 131.624 looks on a white background.

Color Contrast Check

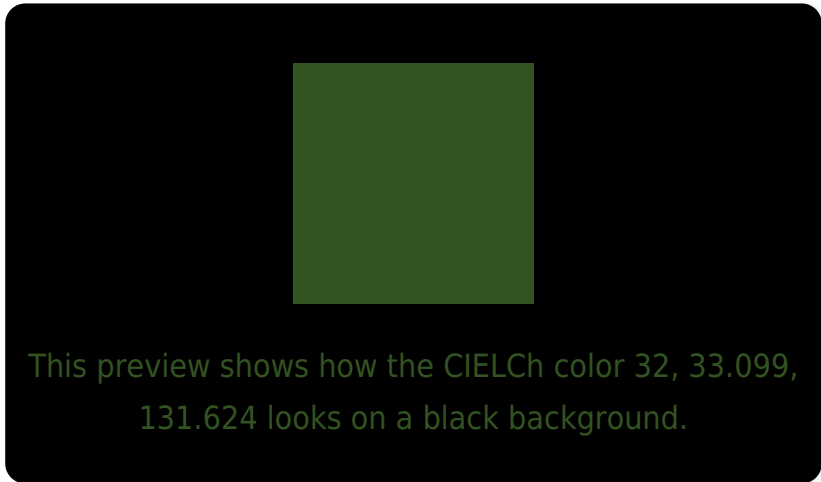
Large Text (above 18pt) WCAG AA ✓ Pass

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

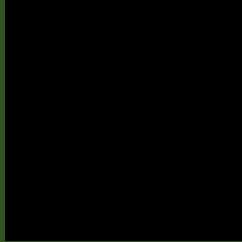
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 33.099, 131.624

Background



This preview shows how black text looks on a background with the CIELCh color 32, 33.099, 131.624.



This preview shows how white text looks on a background with the CIELCh color 32, 33.099, 131.624.

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

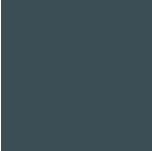
32, 33.099, 131.624

Protanopia

32, 26.686, 95.394

Deuteranopia

32, 23.750, 80.711



Tritanopia
32, 8.224, 231.395

Trichromacy



Original Color
32, 33.099, 131.624

Protanomaly
32, 27.403, 111.525

Deuteranomaly
32, 23.951, 104.580

Tritanomaly
32, 12.922, 158.038

Monochromacy



Original Color
32, 33.099, 131.624

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 12.709, 133.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 33.099, 131.624 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(51, 83, 34)` looks like.

```
.text, #text, p{  
    color:rgb(51, 83, 34)  
}
```

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(51, 83, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 83, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 33.099, 131.624 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(51, 83, 34) }
```

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

```
.border{ border-color:rgb(51, 83, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 83, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 83, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 83, 34);  
box-shadow:4px 4px 4px 4px rgb(51, 83, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 33.099, 131.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 83, 34) }
```

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

```
.background{ background-color: rgb(51, 83,  
34) }
```

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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