

Converting Colors

CIELCh(32, 38.633, 139.781)

Have a look what the booklet for
CIELCh(32, 38.633, 139.781)
contains.

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Color

CIELCh(32, 38.601, 140.083)

Conversions

Conversions Part 1

Format	Color
Hex	215622
RGB	33, 86, 34
RGB Percent	13%, 34%, 13%
CMY	0.8708, 0.6629, 0.8668
CMYK	0.62, 0.00, 0.60, 0.66
HSL	121°, 45%, 23%
HSV	121°, 62%, 34%
XYZ	4.2373, 7.0852, 2.6541
YIQ	64.2250, -14.8960, -27.4080

Conversions

Conversions Part 2

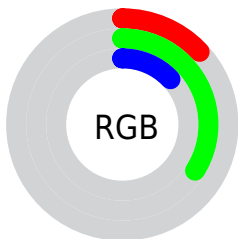
Format	Color
R_{YB}	33, 85, 86
Decimal	2184738
CIE _{Lab}	32.00, -29.61, 24.77
CIE _{LCh}	32, 38.601, 140.083
Yxy	7.0852, 0.3032, 0.5069
Android (android.graphics.Color)	4280374818 (0xFF215622)
YUV	64.2250, -14.9009, -27.3843
Hunter-Lab	26.6180, -18.1664, 12.7208




Details

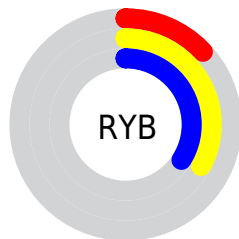
The CIELCh color **32, 38.601, 140.083** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **23, 38.233, 327.884**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **52, 38.314, 139.821**, and **13, 29.984, 142.357** is the 20% darker color. If you saturate the color by 10%, you get **32, 43.661, 139.005**, and if you desaturate by 10%, it is **32, 32.941, 141.122**.

Distribution







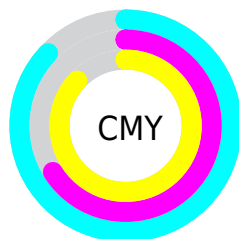
-  Red (13%)
-  Green (34%)
-  Blue (13%)






-  Red (13%)
-  Yellow (33%)
-  Blue (34%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (60%)
-  Black (66%)





-  Cyan (87%)
-  Magenta (66%)
-  Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 38.601, 140.083 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, 38.601, 140.083 by changing the saturation by 10% instead.


 32, 38.601,
140.083


 32, 38.601,
140.083

 100, 38.601,
140.083

 22, 38.601,
140.083

 52, 38.601,
140.083


 12, 38.601,
140.083


 62, 38.601,
140.083

 2, 38.601, 140.083

 72, 38.601,
140.083

 0, 38.601, 140.083

 82, 38.601,
140.083

 92, 38.601,
140.083

■ 32, 38.601,
140.083

■ 32, 38.601,
140.083

■ 32, 43.661,
139.005

■ 32, 32.941,
141.122

■ 31, 47.913,
137.962

■ 33, 26.862,
142.077

■ 31, 51.185,
137.079

■ 34, 20.521,
142.929

■ 31, 53.768,
136.388

■ 35, 14.044,
143.677

■ 35, 7.534, 144.330

■ 36, 1.066, 145.000

■ 37, 5.301, 325.315

■ 39, 11.530,
325.738

■ 40, 17.594,
326.094

Harmonies

Complementary

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



32, 38.601, 140.083



23, 38.233, 327.884

Rectangle

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



32, 38.601, 140.083



32, 38.601, 190.083



32, 38.601, 320.083



32, 38.601, 10.083

Sweetspot

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



32, 38.601, 140.083



45, 15.335, 143.816



35, 31.258, 105.706



22, 10.444, 143.695



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, 38.601, 140.083



41, 55.231, 138.489



32, 26.359, 158.288



17, 3.632, 144.505



39, 62.810, 136.309



81, 112.141, 136.131

Inverse Universe

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



23, 38.233, 327.884



28, 54.097, 328.390



21, 28.047, 351.144



16, 3.638, 325.370



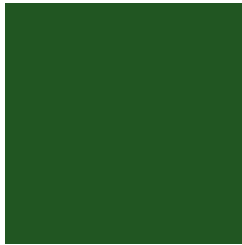
24, 60.178, 328.964



55, 106.874, 329.014

Previews

White Background



This preview shows how the CIELCh color 32, 38.601, 140.083 looks on a white background.

Color Contrast Check

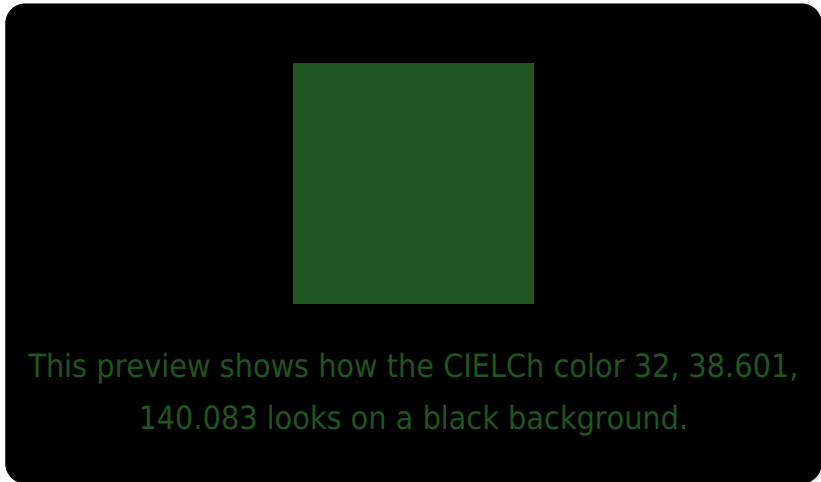
Large Text (above 18pt) WCAG AA ✓ Pass

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

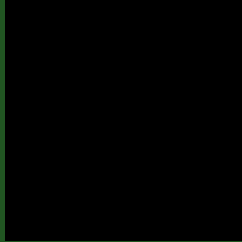
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 38.601, 140.083

Background



This preview shows how black text looks on a background with the CIELCh color 32, 38.601, 140.083.



This preview shows how white text looks on a background with the CIELCh color 32, 38.601, 140.083.

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, 38.601, 140.083

Protanopia
32, 27.228, 95.475

Deuteranopia
32, 23.750, 80.711



Tritanopia
32, 13.169, 214.651

Trichromacy



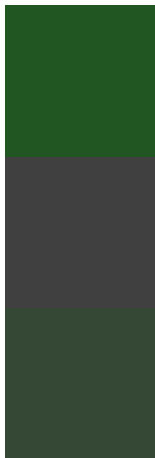
Original Color
32, 38.601, 140.083

Protanomaly
31, 29.176, 118.733

Deuteranomaly
31, 24.671, 112.623

Tritanomaly
32, 19.298, 167.180

Monochromacy



Original Color
32, 38.601, 140.083

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 14.962, 142.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 38.601, 140.083 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(33, 86, 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(33, 86, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 86, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 38.601, 140.083 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, 34) }
```

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

```
.border{ border-color:rgb(33, 86, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 86, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 86, 34);  
box-shadow:4px 4px 4px 4px rgb(33, 86, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 38.601, 140.083 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, 34) }
```

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

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