

Converting Colors

CIELCh(33, 31.796, 138.764)

Have a look what the booklet for
CIELCh(33, 31.796, 138.764)
contains.

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Color

CIELCh(33, 32.157, 138.792)

Conversions

Conversions Part 1

Format	Color
Hex	2F572B
RGB	47, 87, 43
RGB Percent	18%, 34%, 17%
CMY	0.8169, 0.6600, 0.8325
CMYK	0.46, 0.00, 0.51, 0.66
HSL	115°, 34%, 25%
HSV	115°, 51%, 34%
XYZ	4.9734, 7.5373, 3.4517
YIQ	70.0240, -9.7160, -22.1640

Conversions

Conversions Part 2

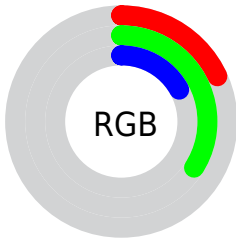
Format	Color
R_{YB}	43, 87, 83
Decimal	3102507
CIE _{Lab}	33.00, -24.19, 21.18
CIE _{LCh}	33, 32.157, 138.792
Yxy	7.5373, 0.3116, 0.4722
Android (android.graphics.Color)	4281292587 (0xFF2F572B)
YUV	70.0240, -13.3228, -20.1920
Hunter-Lab	27.4541, -15.7088, 11.7635

Details

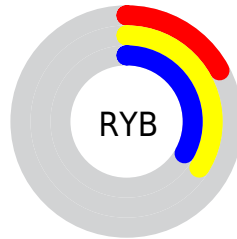
The CIELCh color **33, 32.157, 138.792** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 32.313, 324.166**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 32.165, 138.438**, and **13, 29.982, 140.527** is the 20% darker color. If you saturate the color by 10%, you get **33, 37.896, 137.974**, and if you desaturate by 10%, it is **34, 26.054, 139.571**.

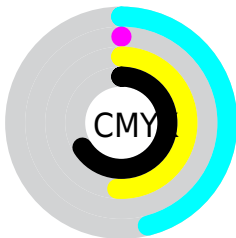
Distribution



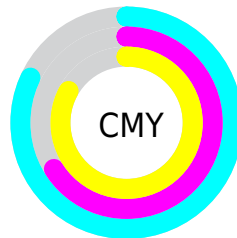
- Red (18%)
- Green (34%)
- Blue (17%)



- Red (17%)
- Yellow (34%)
- Blue (33%)



- Cyan (46%)
- Magenta (0%)
- Yellow (51%)
- Black (66%)





- Cyan (82%)
- Magenta (66%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 32.157, 138.792 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 33, 32.157, 138.792 by changing the saturation by 10% instead.


 33, 32.157,
138.792


 33, 32.157,
138.792

 100, 32.157,
138.792


 23, 32.157,
138.792

 53, 32.157,
138.792


 13, 32.157,
138.792


 63, 32.157,
138.792

 3, 32.157, 138.792

 73, 32.157,
138.792

 0, 32.157, 138.792

 83, 32.157,
138.792

 93, 32.157,
138.792

■ 33, 32.157,
138.792

■ 33, 32.157,
138.792

■ 33, 37.896,
137.974

■ 34, 26.054,
139.571

■ 32, 43.089,
137.167

■ 34, 19.730,
140.283

■ 32, 47.518,
136.452

■ 35, 13.301,
140.920

■ 32, 50.984,
135.910

■ 36, 6.854, 141.485

■ 31, 53.920,
135.117

■ 37, 0.453, 142.235

■ 38, 5.852, 322.345

■ 39, 12.030,
322.715

■ 40, 18.058,
323.027

■ 41, 23.924,
323.293

Harmonies

Complementary

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



33, 32.157, 138.792



24, 32.313, 324.166

Rectangle

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



33, 32.157, 138.792



33, 32.157, 188.792



33, 32.157, 318.792



33, 32.157, 8.792

Sweetspot

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



33, 32.158, 138.793



46, 11.890, 141.224



35, 24.165, 100.839



22, 8.028, 141.154



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 32.158, 138.793



42, 46.874, 137.787



33, 24.588, 154.086



17, 3.573, 141.589



39, 62.648, 135.303



81, 111.948, 135.687

Inverse Universe

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



24, 32.313, 324.166



29, 46.949, 324.562



24, 25.241, 342.821



16, 3.584, 322.353



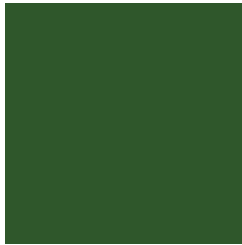
22, 61.368, 324.885



52, 109.149, 324.665

Previews

White Background



This preview shows how the CIELCh color 33, 32.157, 138.792 looks on a white background.

Color Contrast Check

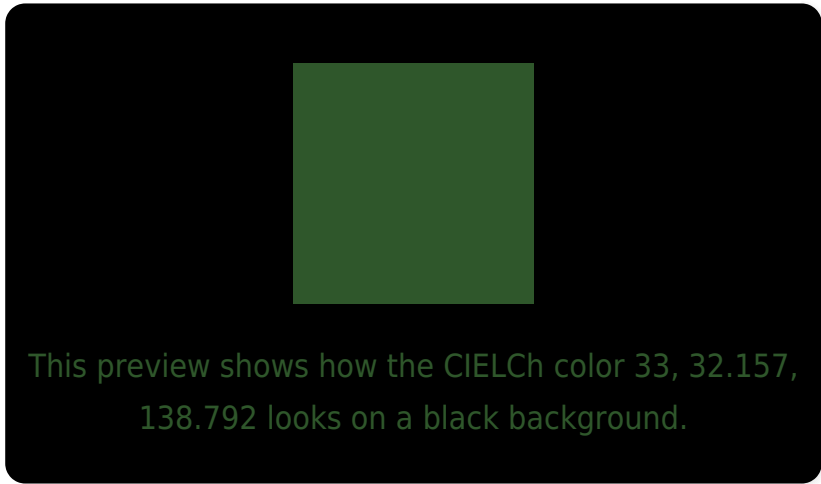
Large Text (above 18pt) WCAG AA ✓ Pass

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

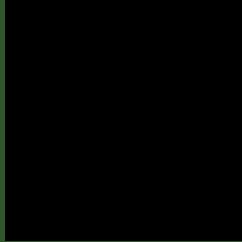
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 32.157, 138.792

Background



This preview shows how black text looks on a background with the CIELCh color 33, 32.157, 138.792.



This preview shows how white text looks on a background with the CIELCh color 33, 32.157, 138.792.

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](#).

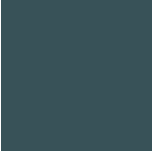
Dichromacy



Original Color
33, 32.157, 138.792

Protanopia
33, 23.149, 96.067

Deuteranopia
33, 20.363, 77.545



Tritanopia
33, 10.475, 219.460

Trichromacy



Original Color
33, 32.157, 138.792

Protanomaly
33, 24.859, 117.132

Deuteranomaly
33, 20.956, 109.100

Tritanomaly
33, 14.919, 166.849

Monochromacy



Original Color
33, 32.157, 138.792

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 11.981, 139.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 32.157, 138.792 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(47, 87, 43)` looks like.

```
.text, #text, p{  
    color:rgb(47, 87, 43)  
}
```

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(47, 87, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 87, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 32.157, 138.792 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(47, 87, 43) }
```

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

```
.border{ border-color:rgb(47, 87, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 87, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 87, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 87, 43);  
box-shadow:4px 4px 4px 4px rgb(47, 87, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 32.157, 138.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 87, 43) }
```

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

```
.background{ background-color: rgb(47, 87,  
43) }
```

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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