

Converting Colors

CIELCh(33, 45.376, 138.542)

Have a look what the booklet for
CIELCh(33, 45.376, 138.542)
contains.

CIELCh(33, 45.502, 138.587)	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(33, 45.502, 138.587)

Conversions

Conversions Part 1

Format	Color
Hex	1A5A1A
RGB	26, 90, 26
RGB Percent	10%, 35%, 10%
CMY	0.8998, 0.6485, 0.8994
CMYK	0.72, 0.00, 0.71, 0.65
HSL	120°, 56%, 23%
HSV	120°, 72%, 35%
XYZ	4.2223, 7.5373, 2.1892
YIQ	63.5680, -17.6000, -33.4720

Conversions

Conversions Part 2

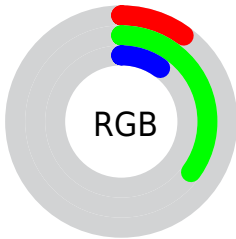
Format	Color
RYB	26, 90, 90
Decimal	1727002
CIELab	33.00, -34.12, 30.10
CIELCh	33, 45.502, 138.587
Yxy	7.5373, 0.3027, 0.5404
Android (android.graphics.Color)	4279917082 (0xFF1A5A1A)
YUV	63.5680, -18.5210, -32.9471
Hunter-Lab	27.4541, -20.5920, 14.4901

Details

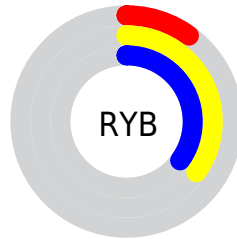
The CIELCh color **33, 45.502, 138.587** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 44.826, 327.699**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 45.436, 138.488**, and **14, 31.948, 141.246** is the 20% darker color. If you saturate the color by 10%, you get **33, 49.850, 137.596**, and if you desaturate by 10%, it is **33, 40.266, 139.640**.

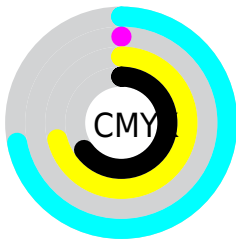
Distribution



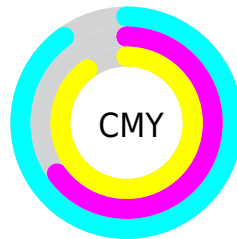
- Red (10%)
- Green (35%)
- Blue (10%)



- Red (10%)
- Yellow (35%)
- Blue (35%)



- Cyan (72%)
- Magenta (0%)
- Yellow (71%)
- Black (65%)





- Cyan (90%)
- Magenta (65%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 45.502, 138.587 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, 45.502, 138.587 by changing the saturation by 10% instead.


 33, 45.502,
138.587


 33, 45.502,
138.587

 100, 45.502,
138.587


 23, 45.502,
138.587

 53, 45.502,
138.587


 13, 45.502,
138.587


 63, 45.502,
138.587

 3, 45.502, 138.587

 73, 45.502,
138.587

 0, 45.502, 138.587

 83, 45.502,
138.587

 93, 45.502,
138.587

■ 33, 45.502,
138.587

■ 33, 45.502,
138.587

■ 33, 49.850,
137.596

■ 33, 40.266,
139.640

■ 33, 53.132,
136.770

■ 34, 34.370,
140.668

■ 32, 55.809,
136.047

■ 34, 28.018,
141.620

■ 35, 21.381,
142.472

■ 36, 14.598,
143.220

■ 37, 7.778, 143.874

■ 38, 1.003, 144.553

■ 39, 5.665, 324.858

■ 40, 12.185,
325.278

Harmonies

Complementary

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



33, 45.502, 138.587



22, 44.826, 327.699

Rectangle

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



33, 45.502, 138.587



33, 45.502, 188.587



33, 45.502, 318.587



33, 45.502, 8.587

Sweetspot

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



33, 45.502, 138.588



47, 17.797, 143.207



37, 36.548, 104.197



23, 11.927, 143.091



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



33, 45.502, 138.588



43, 63.245, 136.974



33, 31.323, 155.900



18, 3.858, 144.034



40, 64.284, 136.041



82, 113.350, 136.026

Inverse Universe

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



22, 44.826, 327.699



28, 61.527, 328.104



21, 32.946, 351.831



17, 3.864, 324.908



25, 61.986, 328.295



56, 109.247, 328.299

Previews

White Background



This preview shows how the CIELCh color 33, 45.502, 138.587 looks on a white background.

Color Contrast Check

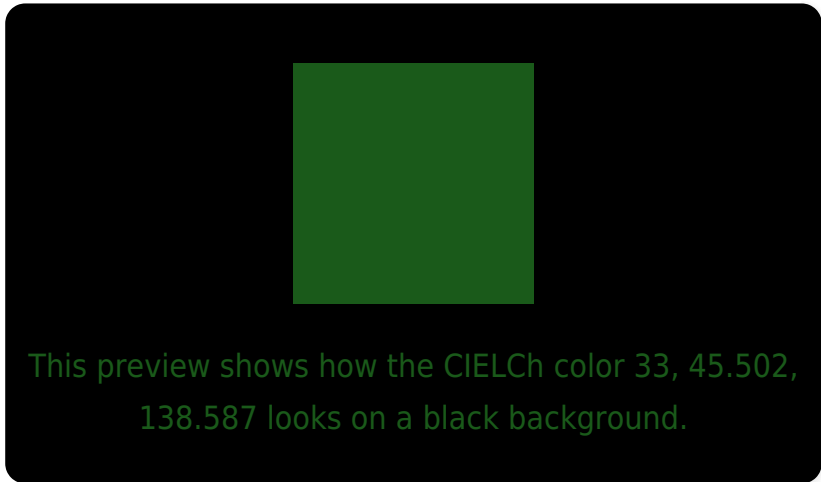
Large Text (above 18pt) WCAG AA ✓ Pass

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

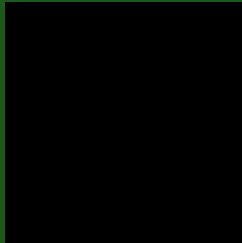
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 45.502, 138.587

Background



This preview shows how black text looks on a background with the CIELCh color 33, 45.502, 138.587.



This preview shows how white text looks on a background with the CIELCh color 33, 45.502, 138.587.

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, 45.502, 138.587

Protanopia

33, 32.739, 96.205

Deuteranopia

33, 28.911, 82.152



Tritanopia
33, 14.817, 212.464

Trichromacy



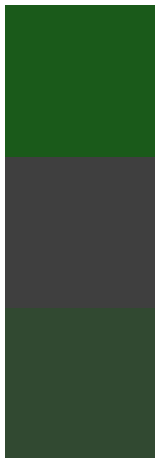
Original Color
33, 45.502, 138.587

Protanomaly
32, 34.877, 118.193

Deuteranomaly
32, 30.787, 114.090

Tritanomaly
33, 22.626, 164.396

Monochromacy



Original Color
33, 45.502, 138.587

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 18.840, 142.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 45.502, 138.587 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(26, 90, 26)` looks like.

```
.text, #text, p{  
    color:rgb(26, 90, 26)  
}
```

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(26, 90, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 90, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 45.502, 138.587 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(26, 90, 26) }
```

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

```
.border{ border-color:rgb(26, 90, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 90, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 90, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 90, 26);  
box-shadow:4px 4px 4px 4px rgb(26, 90, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 45.502, 138.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 90, 26) }
```

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

```
.background{ background-color: rgb(26, 90,  
26) }
```

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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