

Converting Colors

CIELCh(33, 36.744, 146.370)

Have a look what the booklet for
CIELCh(33, 36.744, 146.370)
contains.

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Color

CIELCh(33, 36.754, 146.317)

Conversions

Conversions Part 1

Format	Color
Hex	1C592C
RGB	28, 89, 44
RGB Percent	11%, 35%, 17%
CMY	0.8911, 0.6517, 0.8281
CMYK	0.69, 0.00, 0.51, 0.65
HSL	136°, 52%, 23%
HSV	136°, 69%, 35%
XYZ	4.4807, 7.5373, 3.5845
YIQ	65.6310, -21.9110, -26.9270

Conversions

Conversions Part 2

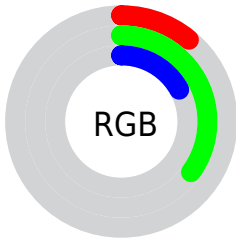
Format	Color
R_{YB}	28, 76, 89
Decimal	1857836
CIE _{Lab}	33.00, -30.58, 20.38
CIE _{LCh}	33, 36.754, 146.317
Y _{xy}	7.5373, 0.2872, 0.4831
Android (android.graphics.Color)	4280047916 (0xFF1C592C)
YUV	65.6310, -10.6641, -33.0024
Hunter-Lab	27.4541, -18.9120, 11.4768

Details

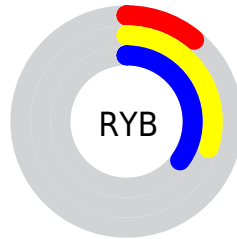
The CIELCh color **33, 36.754, 146.317** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 36.319, 337.715**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 37.131, 145.979**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **33, 41.048, 144.832**, and if you desaturate by 10%, it is **33, 32.015, 147.654**.

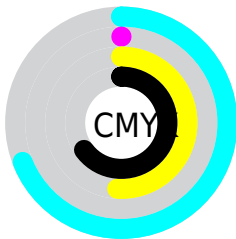
Distribution



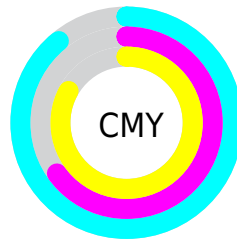
- Red (11%)
- Green (35%)
- Blue (17%)



- Red (11%)
- Yellow (30%)
- Blue (35%)



- Cyan (69%)
- Magenta (0%)
- Yellow (51%)
- Black (65%)





- Cyan (89%)
- Magenta (65%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 36.754, 146.317 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, 36.754, 146.317 by changing the saturation by 10% instead.


 33, 36.754,
146.317


 33, 36.754,
146.317

 100, 36.754,
146.317


 23, 36.754,
146.317

 53, 36.754,
146.317


 13, 36.754,
146.317


 63, 36.754,
146.317

 3, 36.754, 146.317

 73, 36.754,
146.317

 0, 36.754, 146.317

 83, 36.754,
146.317

 93, 36.754,
146.317

■ 33, 36.754,
146.317

■ 33, 36.754,
146.317

■ 33, 41.048,
144.832

■ 33, 32.015,
147.654

■ 32, 44.817,
143.219

■ 34, 26.923,
148.841

■ 32, 48.191,
141.771

■ 35, 21.574,
149.884

■ 32, 48.605,
141.616

■ 35, 16.060,
150.800

■ 36, 10.463,
151.604

■ 37, 4.854, 152.325

■ 38, 0.714, 332.649

■ 39, 6.196, 333.420

■ 40, 11.564,
333.920

Harmonies

Complementary

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



33, 36.754, 146.317



22, 36.319, 337.715

Rectangle

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



33, 36.754, 146.317



33, 36.754, 196.317



33, 36.754, 326.317



33, 36.754, 16.317

Sweetspot

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



33, 36.754, 146.317



46, 14.507, 151.377



35, 36.006, 116.321



23, 9.899, 151.243



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, 36.754, 146.317



42, 51.880, 143.895



34, 23.829, 172.436



17, 3.054, 152.323



39, 56.056, 141.109



82, 102.767, 139.783

Inverse Universe

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



22, 36.319, 337.715



26, 49.476, 339.275



20, 29.911, 9.794



16, 3.066, 333.320



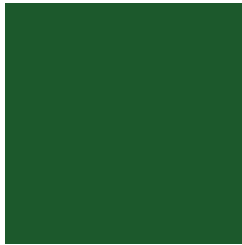
23, 50.408, 341.368



53, 88.575, 342.517

Previews

White Background



This preview shows how the CIELCh color 33, 36.754, 146.317 looks on a white background.

Color Contrast Check

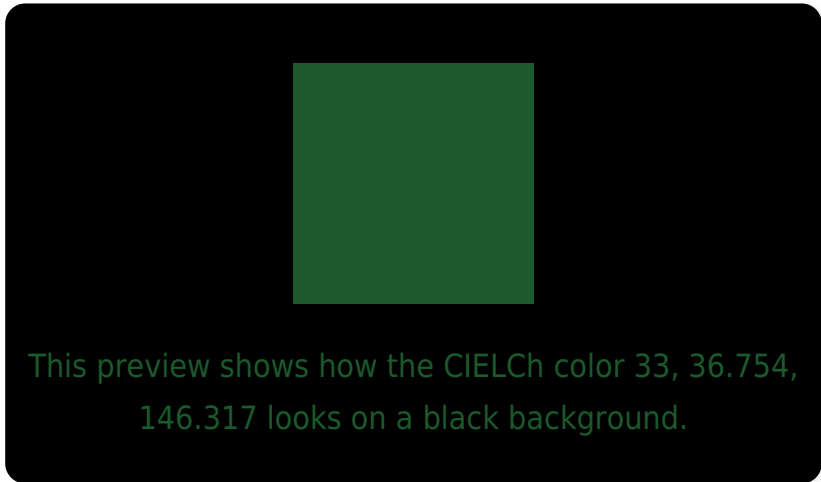
Large Text (above 18pt) WCAG AA ✓ Pass

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

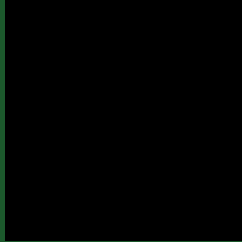
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 36.754, 146.317

Background



This preview shows how black text looks on a background with the CIELCh color 33, 36.754, 146.317.



This preview shows how white text looks on a background with the CIELCh color 33, 36.754, 146.317.

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, 36.754, 146.317

Protanopia
33, 23.149, 96.067

Deuteranopia
33, 19.274, 76.124



Tritanopia
33, 14.817, 212.464

Trichromacy



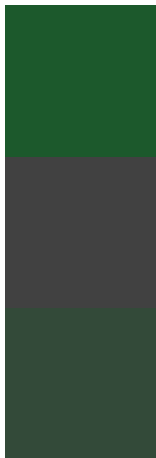
Original Color
33, 36.754, 146.317

Protanomaly
32, 25.772, 124.211

Deuteranomaly
32, 20.836, 118.490

Tritanomaly
33, 20.357, 172.798

Monochromacy



Original Color
33, 36.754, 146.317

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 14.959, 150.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 36.754, 146.317 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(28, 89, 44)` looks like.

```
.text, #text, p{  
    color:rgb(28, 89, 44)  
}
```

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(28, 89, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 89, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 36.754, 146.317 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(28, 89, 44) }
```

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

```
.border{ border-color:rgb(28, 89, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 89, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 89, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 89, 44);  
box-shadow:4px 4px 4px 4px rgb(28, 89, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 36.754, 146.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 89, 44) }
```

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

```
.background{ background-color: rgb(28, 89,  
44) }
```

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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