

Converting Colors

CIELCh(31, 38.082, 147.904)

Have a look what the booklet for
CIELCh(31, 38.082, 147.904)
contains.

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Color

CIELCh(31, 37.599, 148.188)

Conversions

Conversions Part 1

Format	Color
Hex	0F5428
RGB	15, 84, 40
RGB Percent	6%, 33%, 16%
CMY	0.9429, 0.6691, 0.8418
CMYK	0.83, 0.00, 0.52, 0.67
HSL	142°, 71%, 19%
HSV	142°, 83%, 33%
XYZ	3.7778, 6.6515, 3.1220
YIQ	58.3530, -27.0000, -28.3120

Conversions

Conversions Part 2

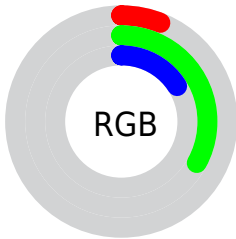
Format	Color
R_{YB}	15, 66, 84
Decimal	1004584
CIE _{Lab}	31.00, -31.95, 19.82
CIE _{LCh}	31, 37.599, 148.188
Yxy	6.6515, 0.2788, 0.4908
Android (android.graphics.Color)	4279194664 (0xFF0F5428)
YUV	58.3530, -9.0480, -38.0206
Hunter-Lab	25.7905, -18.9869, 10.8761

Details

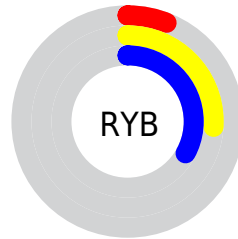
The CIELCh color **31, 37.599, 148.188** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 36.847, 345.130**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 37.338, 148.229**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 40.848, 146.468**, and if you desaturate by 10%, it is **31, 33.959, 149.805**.

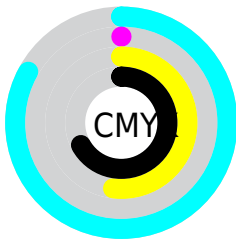
Distribution



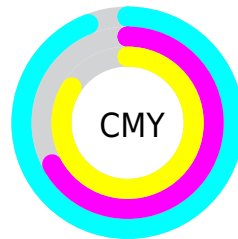
- Red (6%)
- Green (33%)
- Blue (16%)



- Red (6%)
- Yellow (26%)
- Blue (33%)



- Cyan (83%)
- Magenta (0%)
- Yellow (52%)
- Black (67%)





- Cyan (94%)
- Magenta (67%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 37.599, 148.188 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 31, 37.599, 148.188 by changing the saturation by 10% instead.


 31, 37.599,
148.188


 31, 37.599,
148.188

 100, 37.599,
148.188


 21, 37.599,
148.188

 51, 37.599,
148.188


 11, 37.599,
148.188


 61, 37.599,
148.188

 1, 37.599, 148.188

 71, 37.599,
148.188

 0, 37.599, 148.188

 81, 37.599,
148.188

 91, 37.599,
148.188

■ 31, 37.599,
148.188

■ 31, 37.599,
148.188

■ 31, 40.848,
146.468

■ 31, 33.959,
149.805

■ 31, 43.125,
145.386

■ 32, 29.929,
151.254

■ 32, 25.569,
152.540

■ 33, 20.953,
153.677

■ 33, 16.154,
154.681

■ 34, 11.246,
155.572

■ 35, 6.291, 156.372

■ 36, 1.341, 157.187

Harmonies

Complementary

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



31, 37.599, 148.188



18, 36.847, 345.130

Rectangle

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



31, 37.599, 148.188



31, 37.599, 198.188



31, 37.599, 328.188



31, 37.599, 18.188

Sweetspot

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



31, 37.599, 148.188



44, 15.351, 155.305



33, 40.876, 121.298



22, 10.552, 155.117



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 37.599, 148.188



40, 52.349, 144.744



32, 23.102, 181.306



17, 2.824, 156.670



39, 51.756, 144.647



82, 95.185, 143.120

Inverse Universe

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



18, 36.847, 345.130



23, 47.894, 348.710



17, 34.874, 23.241



16, 2.842, 337.764



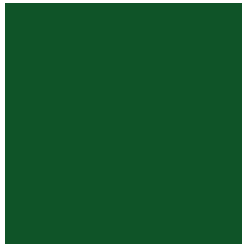
22, 47.292, 348.827



52, 83.034, 350.755

Previews

White Background



This preview shows how the CIELCh color 31, 37.599, 148.188 looks on a white background.

Color Contrast Check

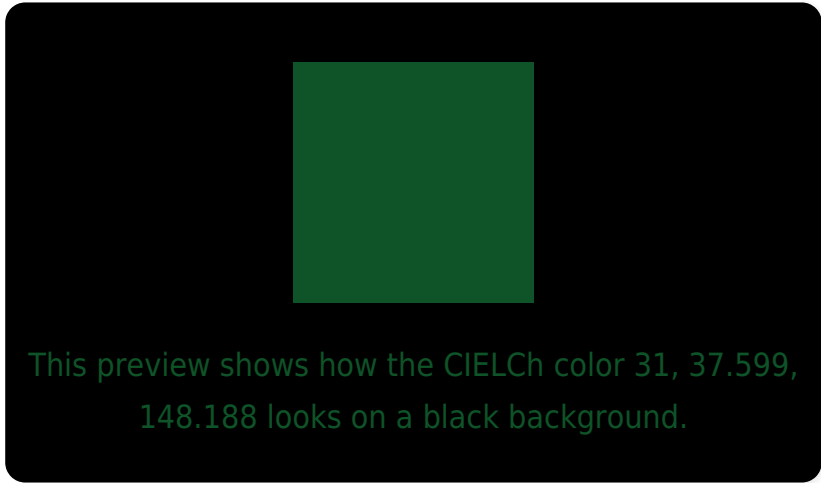
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 37.599, 148.188

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.599, 148.188.



This preview shows how white text looks on a background with the CIELCh color 31, 37.599, 148.188.

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

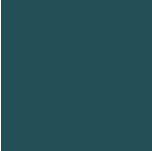
31, 37.481, 148.024

Protanopia

31, 23.303, 95.822

Deuteranopia

31, 18.924, 78.442



Tritanopia
31, 15.541, 214.256

Trichromacy



Original Color
31, 37.481, 148.024

Protanomaly
30, 25.904, 127.393

Deuteranomaly
30, 21.082, 124.985

Tritanomaly
31, 20.929, 174.884

Monochromacy



Original Color
31, 37.481, 148.024

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 15.547, 154.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 37.599, 148.188 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(15, 84, 40)` looks like.

```
.text, #text, p{  
    color:rgb(15, 84, 40)  
}
```

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(15, 84, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 84, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.599, 148.188 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(15, 84, 40) }
```

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

```
.border{ border-color:rgb(15, 84, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 84, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 84, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 84, 40);  
box-shadow:4px 4px 4px 4px rgb(15, 84, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.599, 148.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 84, 40) }
```

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

```
.background{ background-color: rgb(15, 84,  
40) }
```

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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