

Converting Colors

CIELCh(30, 31.419, 152.461)

Have a look what the booklet for
CIELCh(30, 31.419, 152.461)
contains.

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Color

CIELCh(30, 31.562, 152.438)

Conversions

Conversions Part 1

Format	Color
Hex	15512F
RGB	21, 81, 47
RGB Percent	8%, 32%, 18%
CMY	0.9180, 0.6827, 0.8160
CMYK	0.74, 0.00, 0.42, 0.68
HSL	146°, 59%, 20%
HSV	146°, 74%, 32%
XYZ	3.7553, 6.2359, 3.6873
YIQ	59.1840, -24.8460, -23.2940

Conversions

Conversions Part 2

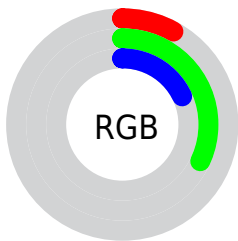
Format	Color
R_{YB}	21, 63, 81
Decimal	1397039
CIE Lab	30.00, -27.98, 14.60
CIE LCh	30, 31.562, 152.438
Yxy	6.2359, 0.2745, 0.4559
Android (android.graphics.Color)	4279587119 (0xFF15512F)
YUV	59.1840, -6.0067, -33.4874
Hunter-Lab	24.9718, -16.8578, 8.7255

Details

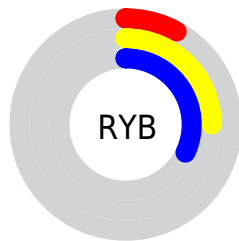
The CIELCh color **30, 31.562, 152.438** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 32.211, 347.743**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 31.683, 152.243**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **30, 34.821, 150.780**, and if you desaturate by 10%, it is **30, 27.945, 153.923**.

Distribution



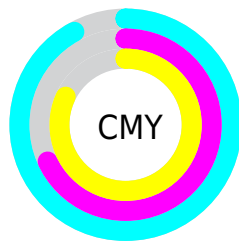
- Red (8%)
- Green (32%)
- Blue (18%)



- Red (8%)
- Yellow (25%)
- Blue (32%)



- Cyan (74%)
- Magenta (0%)
- Yellow (42%)
- Black (68%)





- Cyan (92%)
- Magenta (68%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 31.562, 152.438 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 30, 31.562, 152.438 by changing the saturation by 10% instead.

 30, 31.562,
152.438


 30, 31.562,
152.438

 100, 31.562,
152.438


 20, 31.562,
152.438


 50, 31.562,
152.438


 10, 31.562,
152.438

 60, 31.562,
152.438

 0, 31.562, 152.438

 70, 31.562,
152.438

 80, 31.562,
152.438

 90, 31.562,
152.438

■ 30, 31.562,
152.438

■ 30, 31.562,
152.438

■ 30, 34.821,
150.780

■ 30, 27.945,
153.923

■ 30, 37.775,
149.062

■ 31, 24.017,
155.245

■ 29, 39.476,
148.192

■ 31, 19.838,
156.418

■ 32, 15.475,
157.460

■ 33, 10.992,
158.392

■ 33, 6.446, 159.233

■ 34, 1.889, 160.055

■ 35, 2.640, 340.550

Harmonies

Complementary

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



30, 31.562, 152.438



18, 32.211, 347.743

Rectangle

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



30, 31.562, 152.438



30, 31.562, 202.438



30, 31.562, 332.438



30, 31.562, 22.438

Sweetspot

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



30, 31.562, 152.438



42, 12.369, 158.515



31, 37.106, 123.880



21, 8.376, 158.391



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 31.562, 152.438



38, 44.347, 149.349



31, 20.019, 189.179



16, 2.557, 159.668



38, 48.001, 147.347



81, 89.182, 145.696

Inverse Universe

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



18, 32.211, 347.743



22, 43.286, 351.231



17, 31.129, 25.073



15, 2.579, 340.807



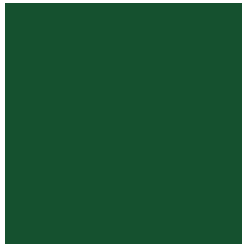
21, 45.156, 353.881



50, 80.111, 356.422

Previews

White Background



This preview shows how the CIELCh color 30, 31.562, 152.438 looks on a white background.

Color Contrast Check

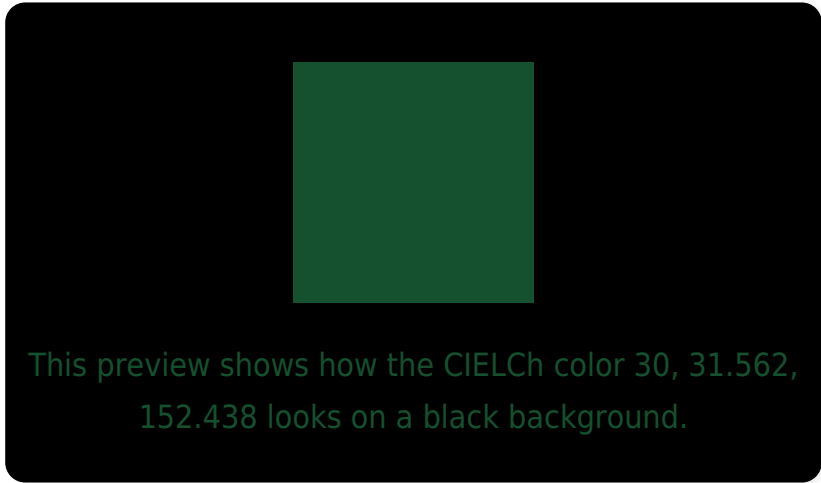
Large Text (above 18pt) WCAG AA ✓ Pass

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

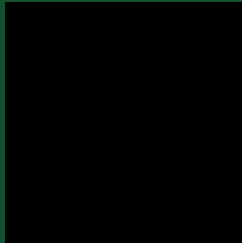
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 31.562, 152.438

Background



This preview shows how black text looks on a background with the CIELCh color 30, 31.562, 152.438.



This preview shows how white text looks on a background with the CIELCh color 30, 31.562, 152.438.

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

30, 31.562, 152.438

Protanopia

30, 17.888, 97.184

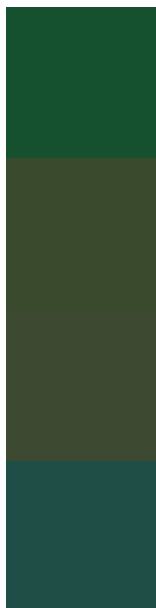
Deuteranopia

30, 14.045, 73.787



Tritanopia
30, 14.982, 212.410

Trichromacy



Original Color
30, 31.562, 152.438

Protanomaly
30, 21.224, 130.118

Deuteranomaly
29, 16.211, 127.703

Tritanomaly
30, 18.485, 180.483

Monochromacy



Original Color
30, 31.562, 152.438

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 12.519, 158.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 31.562, 152.438 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(21, 81, 47)` looks like.

```
.text, #text, p{  
    color:rgb(21, 81, 47)  
}
```

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(21, 81, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 81, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 31.562, 152.438 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(21, 81, 47) }
```

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

```
.border{ border-color:rgb(21, 81, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 81, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 81, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 81, 47);  
box-shadow:4px 4px 4px 4px rgb(21, 81, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 31.562, 152.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 81, 47) }
```

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

```
.background{ background-color: rgb(21, 81,  
47) }
```

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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