

Converting Colors

CIELCh(31, 21.057, 130.195)

Have a look what the booklet for
CIELCh(31, 21.057, 130.195)
contains.

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Color

CIELCh(31, 21.099, 130.177)

Conversions

Conversions Part 1

Format	Color
Hex	3C4E2F
RGB	60, 78, 47
RGB Percent	24%, 31%, 18%
CMY	0.7639, 0.6933, 0.8149
CMYK	0.23, 0.00, 0.40, 0.69
HSL	95°, 25%, 25%
HSV	95°, 40%, 31%
XYZ	5.1314, 6.6515, 3.7229
YIQ	69.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

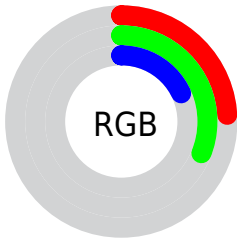
Format	Color
R_{YB}	47, 78, 65
Decimal	3952175
CIE Lab	31.00, -13.61, 16.12
CIE LCh	31, 21.099, 130.177
Yxy	6.6515, 0.3309, 0.4290
Android (android.graphics.Color)	4282142255 (0xFF3C4E2F)
YUV	69.0840, -10.8874, -7.9667
Hunter-Lab	25.7905, -9.6182, 9.4948

Details

The CIELCh color **31, 21.099, 130.177** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **23, 21.984, 313.455**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 21.195, 129.939**, and **11, 20.463, 129.631** is the 20% darker color. If you saturate the color by 10%, you get **31, 26.240, 129.744**, and if you desaturate by 10%, it is **32, 15.830, 130.624**.

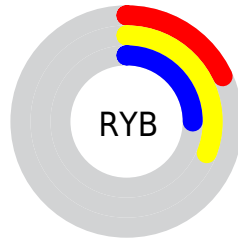
Distribution



Red (24%)

Green (31%)

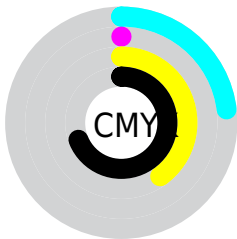
Blue (18%)



Red (18%)

Yellow (31%)

Blue (25%)

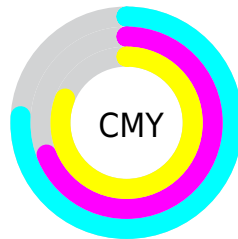


Cyan (23%)

Magenta (0%)

Yellow (40%)

Black (69%)



Cyan (76%)


Magenta (69%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 21.099, 130.177 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, 21.099, 130.177 by changing the saturation by 10% instead.


 31, 21.099,
130.177


 31, 21.099,
130.177

 100, 21.099,
130.177


 21, 21.099,
130.177

 51, 21.099,
130.177


 11, 21.099,
130.177


 61, 21.099,
130.177

 1, 21.099, 130.177

 71, 21.099,
130.177

 0, 21.099, 130.177

 81, 21.099,
130.177

 91, 21.099,
130.177

■ 31, 21.099,
130.177

■ 31, 21.099,
130.177

■ 31, 26.240,
129.744

■ 32, 15.830,
130.624

■ 30, 31.162,
129.356

■ 32, 10.497,
131.061

■ 30, 35.743,
129.070

■ 33, 5.146, 131.479

■ 29, 39.821,
128.962

■ 33, 0.186, 311.451

■ 34, 5.477, 312.180

■ 29, 43.243,
129.103

■ 35, 10.705,
312.502

■ 29, 46.646,
129.004

■ 35, 15.860,
312.787

■ 29, 46.767,
128.993

■ 36, 20.931,
313.041

■ 37, 25.913,
313.266

Harmonies

Complementary

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



31, 21.099, 130.177



23, 21.984, 313.455

Rectangle

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



31, 21.099, 130.177



31, 21.099, 180.177



31, 21.099, 310.177



31, 21.099, 0.177

Sweetspot

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



31, 21.100, 130.178



42, 7.972, 131.364



28, 13.211, 77.577



21, 5.222, 131.343



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 21.100, 130.178



40, 31.594, 129.739



30, 22.929, 143.596



15, 2.918, 131.521



38, 56.535, 129.576



81, 103.523, 130.674

Inverse Universe

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



23, 21.984, 313.455



28, 33.289, 313.879



24, 22.913, 328.310



14, 2.948, 312.144



15, 62.286, 314.499



39, 113.395, 313.730

Previews

White Background



This preview shows how the CIELCh color 31, 21.099, 130.177 looks on a white background.

Color Contrast Check

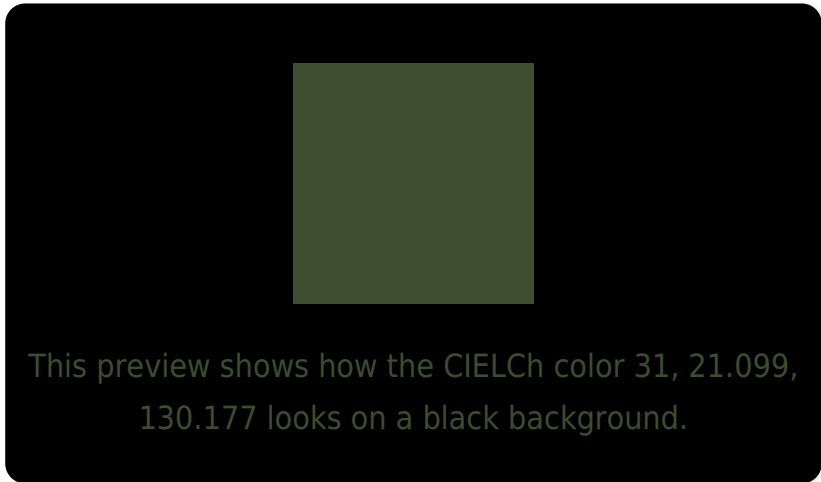
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.099, 130.177

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.099, 130.177.



This preview shows how white text looks on a background with the CIELCh color 31, 21.099, 130.177.

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

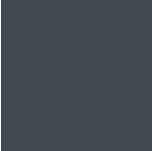
31, 21.099, 130.177

Protanopia

31, 17.815, 97.286

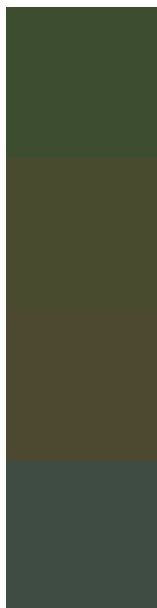
Deuteranopia

31, 15.887, 75.648



Tritanopia
31, 5.249, 245.979

Trichromacy



Original Color
31, 21.099, 130.177

Protanomaly
31, 18.153, 111.433

Deuteranomaly
31, 15.841, 100.136

Tritanomaly
31, 7.667, 156.737

Monochromacy



Original Color
31, 21.099, 130.177

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 7.543, 130.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.099, 130.177 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(60, 78, 47)` looks like.

```
.text, #text, p{  
    color:rgb(60, 78, 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(60, 78, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 78, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.099, 130.177 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(60, 78, 47) }
```

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

```
.border{ border-color:rgb(60, 78, 47) }
```

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

Here you see how a box with a 4 pixel rgb(60, 78, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 78, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 78, 47);  
box-shadow:4px 4px 4px 4px rgb(60, 78, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.099, 130.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 78, 47) }
```

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

```
.background{ background-color: rgb(60, 78,  
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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