

Converting Colors

CIELCh(30, 9.544, 156.331)

Have a look what the booklet for
CIELCh(30, 9.544, 156.331) contains.

CIELCh(30, 9.551, 155.957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(30, 9.551, 155.957)

Conversions

Conversions Part 1

Format	Color
Hex	3A4A40
RGB	58, 74, 64
RGB Percent	23%, 29%, 25%
CMY	0.7711, 0.7083, 0.7475
CMYK	0.22, 0.00, 0.13, 0.71
HSL	142°, 12%, 26%
HSV	142°, 22%, 29%
XYZ	5.1787, 6.2359, 5.8387
YIQ	68.0760, -6.3260, -6.5020

Conversions

Conversions Part 2

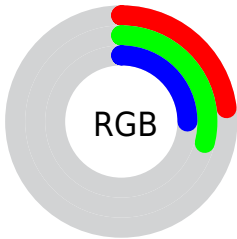
Format	Color
RYB	58, 70, 74
Decimal	3820096
CIELab	30.00, -8.72, 3.89
CIELCh	30, 9.551, 155.957
Yxy	6.2359, 0.3002, 0.3614
Android (android.graphics.Color)	4282010176 (0xFF3A4A40)
YUV	68.0760, -2.0095, -8.8367
Hunter-Lab	24.9718, -6.6827, 3.6176

Details

The CIELCh color **30, 9.551, 155.957** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 9.673, 338.935**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 9.727, 157.050**, and **10, 9.147, 156.935** is the 20% darker color. If you saturate the color by 10%, you get **29, 13.964, 155.096**, and if you desaturate by 10%, it is **31, 5.106, 156.733**.

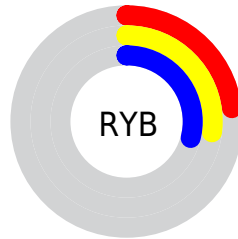
Distribution



Red (23%)

Green (29%)

Blue (25%)



Red (23%)

Yellow (27%)

Blue (29%)

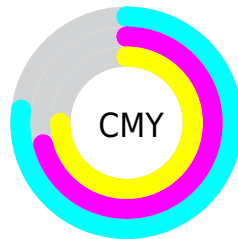


Cyan (22%)

Magenta (0%)

Yellow (13%)

Black (71%)



Cyan (77%)

Magenta (71%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 9.551, 155.957 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, 9.551, 155.957 by changing the saturation by 10% instead.

■ 30, 9.551, 155.957

■ 30, 9.551, 155.957

■ 100, 9.551,
155.957

■ 20, 9.551, 155.957

■ 50, 9.551, 155.957

■ 10, 9.551, 155.957

■ 60, 9.551, 155.957

■ 0, 9.551, 155.957

■ 70, 9.551, 155.957

■ 80, 9.551, 155.957

■ 90, 9.551, 155.957

■ 30, 9.551, 155.957

■ 30, 9.551, 155.957

■ 29, 13.964,
155.096

■ 31, 5.106, 156.733

■ 29, 18.289,
154.130

■ 32, 0.670, 157.647

■ 28, 22.466,
153.041

■ 32, 3.721, 337.946

■ 33, 8.039, 338.528

■ 28, 26.431,
151.810

■ 34, 12.266,
339.044

■ 27, 30.120,
150.426

■ 35, 16.389,
339.514

■ 27, 33.479,
148.879

■ 36, 20.400,
339.946

■ 27, 36.510,
147.239

■ 37, 24.296,
340.346

■ 27, 39.009,
146.068

■ 39, 28.075,
340.718

Harmonies

Complementary

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



30, 9.551, 155.957



27, 9.673, 338.935

Rectangle

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



30, 9.551, 155.957



30, 9.551, 205.957



30, 9.551, 335.957



30, 9.551, 25.957

Sweetspot

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



30, 9.552, 155.956



40, 3.300, 157.133



31, 10.493, 123.276



20, 2.160, 157.116



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 9.552, 155.956



39, 14.354, 155.497



30, 6.887, 186.895



15, 2.527, 156.945



37, 49.615, 145.004



80, 93.118, 143.360

Inverse Universe

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



27, 9.673, 338.935



34, 14.574, 339.352



26, 7.565, 10.290



14, 2.544, 338.003



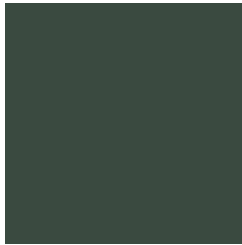
21, 45.608, 349.099



50, 81.453, 351.201

Previews

White Background



This preview shows how the CIELCh color 30, 9.551, 155.957 looks on a white background.

Color Contrast Check

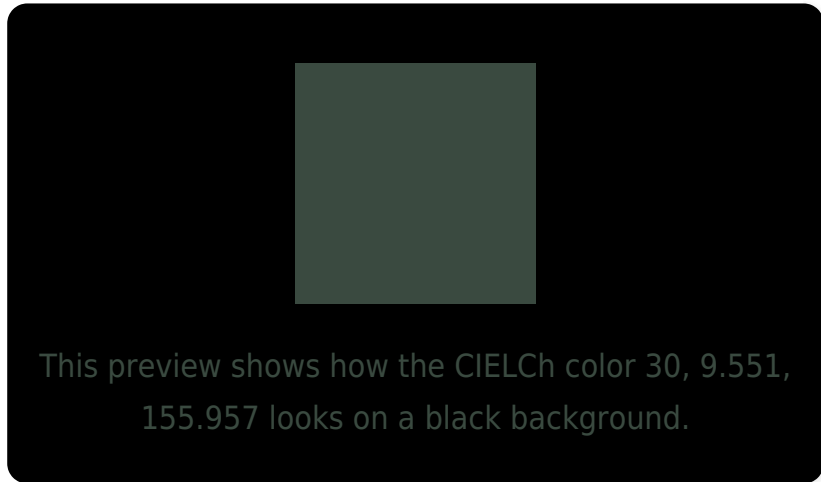
Large Text (above 18pt) WCAG AA ✓ Pass

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

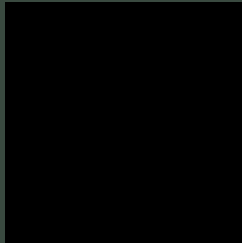
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

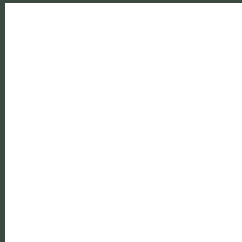
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 9.551, 155.957

Background



This preview shows how black text looks on a background with the CIELCh color 30, 9.551, 155.957.

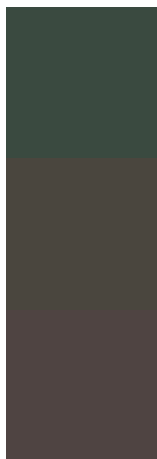


This preview shows how white text looks on a background with the CIELCh color 30, 9.551, 155.957.

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, 9.551, 155.957

Protanopia

30, 5.424, 89.286

Deuteranopia

30, 5.199, 34.300



Tritanopia
30, 5.836, 240.293

Trichromacy



Original Color

30, 9.551, 155.957

Protanomaly

30, 6.026, 126.591

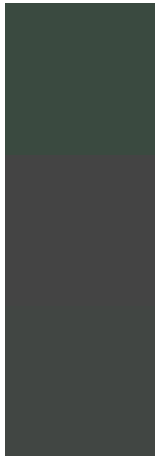
Deuteranomaly

30, 3.313, 93.672

Tritanomaly

30, 5.462, 198.607

Monochromacy



Original Color

30, 9.551, 155.957

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 2.947, 158.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 9.551, 155.957 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(58, 74, 64)` looks like.

```
.text, #text, p{  
    color:rgb(58, 74, 64)  
}
```

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(58, 74, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 74, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 9.551, 155.957 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(58, 74, 64) }
```

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

```
.border{ border-color:rgb(58, 74, 64) }
```

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

Here you see how a box with a 4 pixel rgb(58, 74, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 74, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 74, 64);  
box-shadow:4px 4px 4px 4px rgb(58, 74, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 9.551, 155.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 74, 64) }
```

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

```
.background{ background-color: rgb(58, 74,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor