

Converting Colors

CIELCh(31, 4.457, 224.199)

Have a look what the booklet for
CIELCh(31, 4.457, 224.199) contains.

CIELCh(31, 4.534, 223.881)	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(31, 4.534, 223.881)

Conversions

Conversions Part 1

Format	Color
Hex	414B4E
RGB	65, 75, 78
RGB Percent	25%, 29%, 31%
CMY	0.7462, 0.7070, 0.6953
CMYK	0.17, 0.04, 0.00, 0.70
HSL	194°, 9%, 28%
HSV	194°, 17%, 30%
XYZ	6.0210, 6.6515, 8.1181
YIQ	72.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

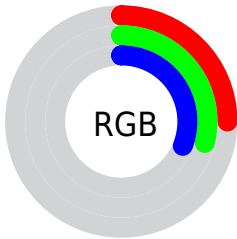
Format	Color
RYB	65, 71, 78
Decimal	4279118
CIELab	31.00, -3.27, -3.14
CIELCh	31, 4.534, 223.881
Yxy	6.6515, 0.2896, 0.3199
Android (android.graphics.Color)	4282469198 (0xFF414B4E)
YUV	72.3520, 2.7845, -6.4477
Hunter-Lab	25.7905, -3.4611, -0.6094

Details

The CIELCh color **31, 4.534, 223.881** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 4.982, 42.566**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 4.566, 221.613**, and **11, 4.582, 227.286** is the 20% darker color. If you saturate the color by 10%, you get **30, 7.056, 224.481**, and if you desaturate by 10%, it is **32, 1.864, 223.479**.

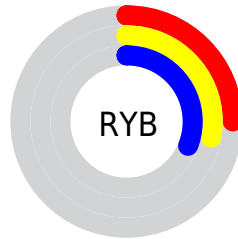
Distribution



Red (25%)

Green (29%)

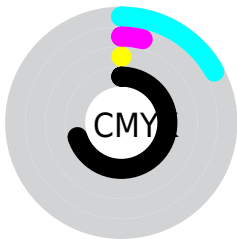
Blue (31%)



Red (25%)

Yellow (28%)

Blue (31%)

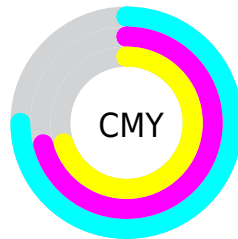


Cyan (17%)

Magenta (4%)

Yellow (0%)

Black (70%)



Cyan (75%)

Magenta (71%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 4.534, 223.881 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, 4.534, 223.881 by changing the saturation by 10% instead.

■ 31, 4.534, 223.881

■ 31, 4.534, 223.881

■ 100, 4.534,
223.881

■ 21, 4.534, 223.881

■ 51, 4.534, 223.881

■ 11, 4.534, 223.881

■ 61, 4.534, 223.881

■ 1, 4.534, 223.881

■ 71, 4.534, 223.881

■ 0, 4.534, 223.881

■ 81, 4.534, 223.881

■ 91, 4.534, 223.881

■ 31, 4.534, 223.881

■ 31, 4.534, 223.881

■ 30, 7.056, 224.481

■ 32, 1.864, 223.479

■ 29, 9.399, 225.297

■ 33, 0.924, 42.689

■ 28, 11.530,
226.358

■ 35, 3.805, 42.659

■ 27, 13.418,
227.716

■ 36, 6.758, 42.516

■ 37, 9.763, 42.418

■ 26, 15.036,
229.430

■ 39, 12.805, 42.362

■ 25, 16.369,
231.569

■ 40, 15.872, 42.342

■ 42, 18.953, 42.350

■ 24, 17.419,
234.197

■ 43, 22.040, 42.380

■ 23, 18.359,
236.956

■ 23, 18.684,
237.790

Harmonies

Complementary

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



31, 4.534, 223.881



30, 4.982, 42.566

Rectangle

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



31, 4.534, 223.881



31, 4.534, 273.881



31, 4.534, 43.881



31, 4.534, 93.881

Sweetspot

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



31, 4.534, 223.870



42, 1.742, 223.460



32, 8.652, 150.099



21, 1.173, 223.462



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, 4.534, 223.870



40, 6.723, 224.093



29, 6.153, 276.937



15, 1.521, 223.528



31, 22.670, 239.508



67, 41.561, 242.866

Inverse Universe

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



29, 8.601, 332.580



37, 12.904, 332.829



32, 6.119, 93.065



14, 2.820, 332.083



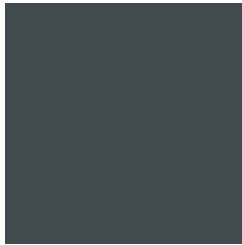
22, 49.828, 339.283



52, 89.154, 340.291

Previews

White Background



This preview shows how the CIELCh color 31, 4.534, 223.881 looks on a white background.

Color Contrast Check

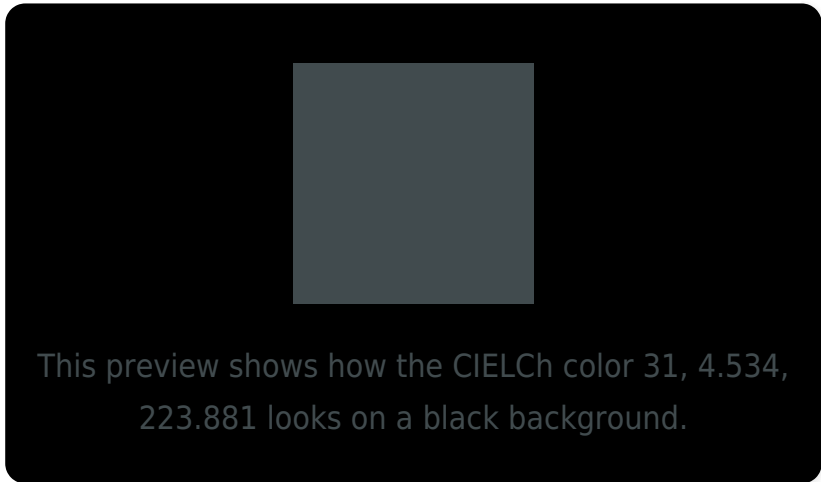
Large Text (above 18pt) WCAG AA ✓ Pass

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

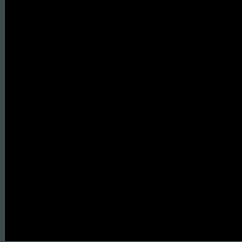
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

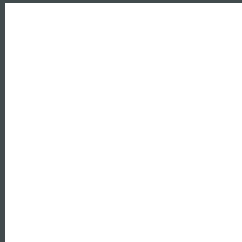
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 4.534, 223.881

Background



This preview shows how black text looks on a background with the CIELCh color 31, 4.534, 223.881.

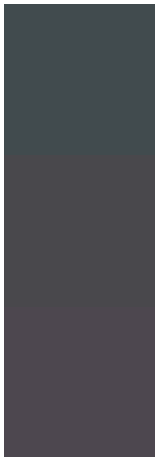


This preview shows how white text looks on a background with the CIELCh color 31, 4.534, 223.881.

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

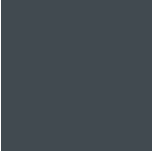
31, 4.534, 223.881

Protanopia

31, 2.596, 300.201

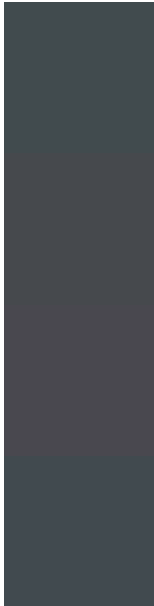
Deuteranopia

31, 5.741, 317.668



Tritanopia
31, 5.249, 245.979

Trichromacy



Original Color

31, 4.534, 223.881

Protanomaly

31, 2.829, 263.877

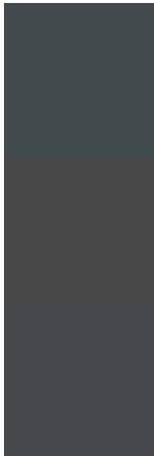
Deuteranomaly

31, 4.493, 296.411

Tritanomaly

31, 4.836, 240.382

Monochromacy



Original Color

31, 4.534, 223.881

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 1.825, 219.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 4.534, 223.881 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(65, 75, 78)` looks like.

```
.text, #text, p{  
    color:rgb(65, 75, 78)  
}
```

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(65, 75, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 75, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 4.534, 223.881 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(65, 75, 78) }
```

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

```
.border{ border-color:rgb(65, 75, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 75, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 75, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 75, 78);  
box-shadow:4px 4px 4px 4px rgb(65, 75, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 4.534, 223.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 75, 78) }
```

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

```
.background{ background-color: rgb(65, 75,  
78) }
```

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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