

Converting Colors

CIELCh(31, 11.071, 325.291)

Have a look what the booklet for
CIELCh(31, 11.071, 325.291)
contains.

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Color

CIELCh(31, 11.526, 325.332)

Conversions

Conversions Part 1

Format	Color
Hex	534453
RGB	83, 68, 83
RGB Percent	33%, 27%, 33%
CMY	0.6733, 0.7322, 0.6733
CMYK	0.00, 0.18, 0.00, 0.67
HSL	300°, 10%, 30%
HSV	300°, 18%, 33%
XYZ	7.2517, 6.6515, 9.1463
YIQ	74.1950, 4.1250, 7.8450

Conversions

Conversions Part 2

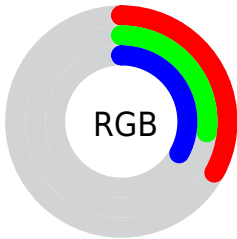
Format	Color
RYB	83, 68, 83
Decimal	5456979
CIELab	31.00, 9.48, -6.56
CIElCh	31, 11.526, 325.332
Yxy	6.6515, 0.3146, 0.2886
Android (android.graphics.Color)	4283647059 (0xFF534453)
YUV	74.1950, 4.3409, 7.7220
Hunter-Lab	25.7905, 5.0569, -2.9731

Details

The CIELCh color **31, 11.526, 325.332** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 11.514, 143.429**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 11.530, 326.736**, and **11, 11.320, 325.885** is the 20% darker color. If you saturate the color by 10%, you get **29, 17.934, 325.830**, and if you desaturate by 10%, it is **33, 5.106, 324.817**.

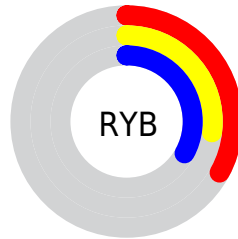
Distribution



 Red (33%)

 Green (27%)

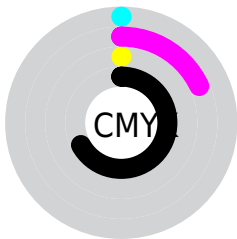
 Blue (33%)



 Red (33%)

 Yellow (27%)

 Blue (33%)

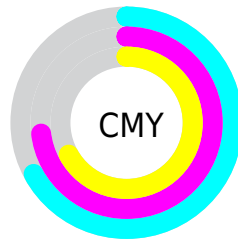



 Cyan (0%)

 Magenta (18%)

 Yellow (0%)

 Black (67%)



 Cyan (67%)


 Magenta (73%)


 Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 11.526, 325.332 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, 11.526, 325.332 by changing the saturation by 10% instead.


 31, 11.526,
325.332


 31, 11.526,
325.332

 100, 11.526,
325.332


 21, 11.526,
325.332

 51, 11.526,
325.332


 11, 11.526,
325.332


 61, 11.526,
325.332

 1, 11.526, 325.332

 71, 11.526,
325.332

 0, 11.526, 325.332

 81, 11.526,
325.332

 91, 11.526,
325.332

■ 31, 11.526,
325.332

■ 31, 11.526,
325.332

■ 29, 17.934,
325.830

■ 33, 5.106, 324.817

■ 36, 1.247, 144.457

■ 26, 24.227,
326.310

■ 38, 7.484, 143.878

■ 24, 30.261,
326.760

■ 41, 13.574,
143.397

■ 23, 35.858,
327.168

■ 44, 19.500,
142.940

■ 21, 40.817,
327.521

■ 46, 25.254,
142.505

■ 20, 44.933,
327.808

■ 49, 30.835,
142.094


■ 19, 48.039,
328.021

■ 52, 36.248,
141.706

■ 18, 50.690,

328.199

 54, 41.496,
141.343

 18, 51.234,
328.236

Harmonies

Complementary

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



31, 11.526, 325.332



34, 11.514, 143.429

Rectangle

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



31, 11.526, 325.332



31, 11.526, 15.332



31, 11.526, 145.332



31, 11.526, 195.332

Sweetspot

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



31, 11.525, 325.332



44, 3.913, 324.660



30, 9.651, 291.978



21, 2.639, 324.682



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 11.525, 325.332



39, 17.333, 325.569



31, 8.160, 345.048



15, 3.500, 324.853



24, 60.002, 328.236



55, 107.603, 328.236

Inverse Universe

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



31, 11.525, 325.332



39, 17.333, 325.569



34, 7.992, 162.254



15, 3.500, 324.853



24, 60.002, 328.236



55, 107.603, 328.236

Previews

White Background



This preview shows how the CIELCh color 31, 11.526, 325.332 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



This preview shows how the CIELCh color 31, 11.526, 325.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

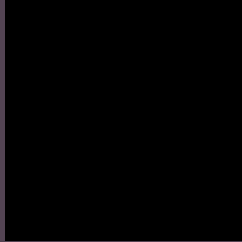
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 11.526, 325.332

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.526, 325.332.

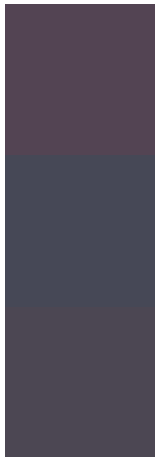


This preview shows how white text looks on a background with the CIELCh color 31, 11.526, 325.332.

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, 11.526, 325.332

Protanopia

31, 8.947, 286.613

Deuteranopia

31, 7.968, 306.765



Tritanopia
31, 6.186, 349.586

Trichromacy



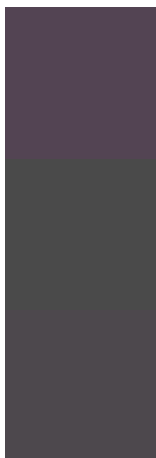
Original Color
31, 11.526, 325.332

Protanomaly
31, 9.113, 302.216

Deuteranomaly
31, 9.160, 316.081

Tritanomaly
31, 8.071, 335.583

Monochromacy



Original Color
31, 11.526, 325.332

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 3.871, 324.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.526, 325.332 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(83, 68, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 68, 83)  
}
```

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(83, 68, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 68, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.526, 325.332 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(83, 68, 83) }
```

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

```
.border{ border-color:rgb(83, 68, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 68, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 68, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 68, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 68, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.526, 325.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 68, 83) }
```

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

```
.background{ background-color: rgb(83, 68,  
83) }
```

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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