

Converting Colors

CIELCh(31, 15.515, 333.624)

Have a look what the booklet for
CIELCh(31, 15.515, 333.624)
contains.

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Color

CIELCh(31, 15.327, 333.985)

Conversions

Conversions Part 1

Format	Color
Hex	5A4254
RGB	90, 66, 84
RGB Percent	35%, 26%, 33%
CMY	0.6484, 0.7424, 0.6719
CMYK	0.00, 0.27, 0.07, 0.65
HSL	315°, 15%, 30%
HSV	315°, 27%, 35%
XYZ	7.7012, 6.6515, 9.1985
YIQ	75.2280, 8.5260, 10.6860

Conversions

Conversions Part 2

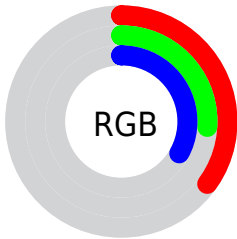
Format	Color
R_{YB}	90, 66, 84
Decimal	5915220
CIE Lab	31.00, 13.77, -6.72
CIE LCh	31, 15.327, 333.985
Yxy	6.6515, 0.3270, 0.2824
Android (android.graphics.Color)	4284105300 (0xFF5A4254)
YUV	75.2280, 4.3246, 12.9550
Hunter-Lab	25.7905, 8.1681, -3.0931

Details

The CIELCh color **31, 15.327, 333.985** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36, 15.226, 150.486**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 15.535, 332.782**, and **11, 15.108, 334.542** is the 20% darker color. If you saturate the color by 10%, you get **29, 21.011, 334.665**, and if you desaturate by 10%, it is **34, 9.568, 333.334**.

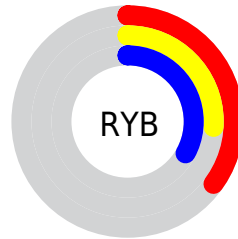
Distribution



Red (35%)

Green (26%)

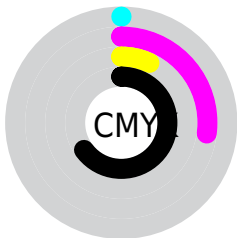
Blue (33%)



Red (35%)

Yellow (26%)

Blue (33%)

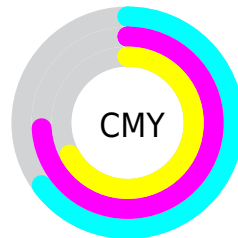


Cyan (0%)

Magenta (27%)

Yellow (7%)

Black (65%)



Cyan (65%)


Magenta (74%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 15.327, 333.985 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, 15.327, 333.985 by changing the saturation by 10% instead.


 31, 15.327,
333.985


 31, 15.327,
333.985

 100, 15.327,
333.985


 21, 15.327,
333.985

 51, 15.327,
333.985


 11, 15.327,
333.985


 61, 15.327,
333.985

 1, 15.327, 333.985

 71, 15.327,
333.985

 0, 15.327, 333.985

 81, 15.327,
333.985

 91, 15.327,
333.985

31, 15.327,
333.985

31, 15.327,
333.985

29, 21.011,
334.665

34, 9.568, 333.334

26, 26.492,
335.377

36, 3.830, 332.690

39, 1.826, 152.249

24, 31.594,
336.131

42, 7.361, 151.614

22, 36.106,
336.939

45, 12.756,
151.072

21, 39.795,
337.823

47, 18.001,
150.562

19, 42.457,
338.814

50, 23.093,
150.080

19, 44.402,
339.874

53, 28.036,
149.625

18, 45.074,

56, 32.836,

Harmonies

Complementary

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



31, 15.327, 333.985



36, 15.226, 150.486

Rectangle

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



31, 15.327, 333.985



31, 15.327, 23.985



31, 15.327, 153.985



31, 15.327, 203.985

Sweetspot

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



31, 15.326, 333.986



47, 5.675, 332.790



29, 15.656, 301.116



23, 3.996, 332.860



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 15.326, 333.986



39, 22.867, 334.410



31, 11.515, 0.933



17, 3.249, 332.829



23, 51.681, 340.587



53, 90.108, 341.620

Inverse Universe

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



31, 15.326, 333.986



39, 22.867, 334.410



36, 10.617, 175.960



17, 3.249, 332.829



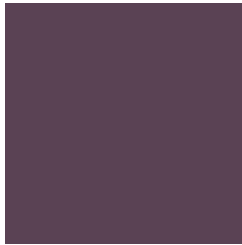
23, 51.681, 340.587



53, 90.108, 341.620

Previews

White Background



This preview shows how the CIE LCh color 31, 15.327, 333.985 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, 15.327, 333.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

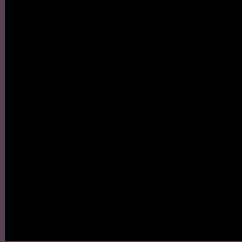
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 15.327, 333.985

Background



This preview shows how black text looks on a background with the CIELCh color 31, 15.327, 333.985.



This preview shows how white text looks on a background with the CIELCh color 31, 15.327, 333.985.

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, 15.327, 333.985

Protanopia

31, 9.592, 284.704

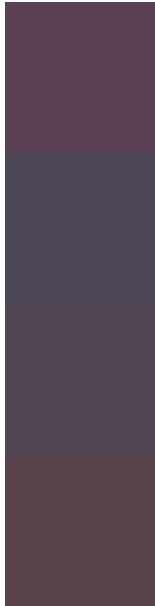
Deuteranopia

31, 7.968, 306.765



Tritanopia
31, 9.507, 1.665

Trichromacy



Original Color
31, 15.327, 333.985

Protanomaly
31, 10.660, 307.704

Deuteranomaly
31, 10.314, 321.196

Tritanomaly
31, 11.566, 348.294

Monochromacy



Original Color
31, 15.327, 333.985

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 5.178, 332.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 15.327, 333.985 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(90, 66, 84)` looks like.

```
.text, #text, p{  
    color:rgb(90, 66, 84)  
}
```

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(90, 66, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 66, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 15.327, 333.985 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(90, 66, 84) }
```

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

```
.border{ border-color:rgb(90, 66, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 66, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 66, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 66, 84);  
box-shadow:4px 4px 4px 4px rgb(90, 66, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 15.327, 333.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 66, 84) }
```

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

```
.background{ background-color: rgb(90, 66,  
84) }
```

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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