

Converting Colors

CIELCh(31, 56.263, 5.259)

Have a look what the booklet for
CIELCh(31, 56.263, 5.259) contains.

CIELCh(31, 56.282, 5.634)	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, 56.282, 5.634)

Conversions

Conversions Part 1

Format	Color
Hex	940043
RGB	148, 0, 67
RGB Percent	58%, 0%, 26%
CMY	0.4209, 1.0000, 0.7383
CMYK	0.00, 1.00, 0.55, 0.42
HSL	333°, 100%, 29%
HSV	333°, 100%, 58%
XYZ	13.1491, 6.6515, 5.8596
YIQ	51.8900, 66.7010, 52.2130

Conversions

Conversions Part 2

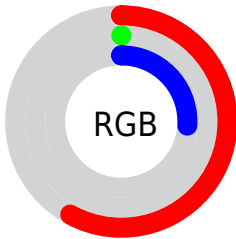
Format	Color
R_{YB}	148, 0, 67
Decimal	9699395
CIE _{Lab}	31.00, 56.01, 5.53
CIE _{LCh}	31, 56.282, 5.634
Yxy	6.6515, 0.5124, 0.2592
Android (android.graphics.Color)	4287889475 (0xFF940043)
YUV	51.8900, 7.4492, 84.2885
Hunter-Lab	25.7905, 45.8734, 4.5827

Details

The CIELCh color **31, 56.282, 5.634** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **54, 55.812, 152.136**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 55.997, 5.509**, and **17, 40.504, 18.568** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.186, 5.694**, and if you desaturate by 10%, it is **32, 54.346, 1.746**.

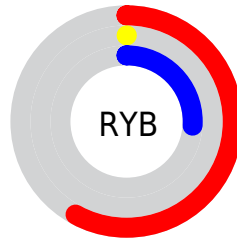
Distribution



Red (58%)

Green (0%)

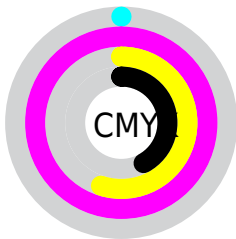
Blue (26%)



Red (58%)

Yellow (0%)

Blue (26%)

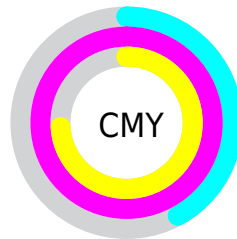


Cyan (0%)

Magenta (100%)

Yellow (55%)

Black (42%)



Cyan (42%)

Magenta (100%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.282, 5.634 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, 56.282, 5.634 by changing the saturation by 10% instead.

31, 56.282, 5.634

31, 56.282, 5.634

100, 56.282, 5.634

21, 56.282, 5.634

51, 56.282, 5.634

11, 56.282, 5.634

61, 56.282, 5.634

1, 56.282, 5.634

71, 56.282, 5.634

0, 56.282, 5.634

81, 56.282, 5.634

91, 56.282, 5.634

31, 56.282, 5.634

31, 56.282, 5.634

31, 56.186, 5.694

32, 54.346, 1.746

34, 51.529,

358.383

■ 36, 47.282,
355.718

■ 38, 41.809,
353.588

■ 42, 35.445,
351.854

■ 45, 28.530,
350.409

■ 49, 21.351,
349.175

■ 53, 14.120,
348.097

■ 57, 6.976, 347.126

Harmonies

Complementary

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



31, 56.282, 5.634



54, 55.812, 152.136

Rectangle

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



31, 56.282, 5.634



31, 56.282, 55.634



31, 56.282, 185.634



31, 56.282, 235.634

Sweetspot

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



31, 56.186, 5.694



62, 26.374, 349.245



23, 82.297, 312.882



31, 18.163, 349.700



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



31, 56.186, 5.694



41, 67.998, 6.747



30, 68.479, 39.876



29, 3.942, 347.051



29, 53.406, 5.369



1, 3.405, 346.320

Inverse Universe

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



31, 56.186, 5.694



41, 67.998, 6.747



54, 31.878, 201.679



29, 3.942, 347.051



29, 53.406, 5.369



1, 3.405, 346.320

Previews

White Background



This preview shows how the CIELCh color 31, 56.282, 5.634 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, 56.282, 5.634 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, 56.282, 5.634

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.282, 5.634.



This preview shows how white text looks on a background with the CIELCh color 31, 56.282, 5.634.

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, 56.282, 5.634

Protanopia

33, 13.351, 284.230

Deuteranopia

32, 10.802, 64.142



Tritanopia
32, 58.085, 34.191

Trichromacy



Original Color
31, 56.282, 5.634

Protanomaly
28, 31.315, 335.996

Deuteranomaly
28, 30.448, 6.383

Tritanomaly
31, 56.313, 23.992

Monochromacy



Original Color
31, 56.282, 5.634

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.002, 353.821

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 31, 56.282, 5.634 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(148, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 67)  
}
```

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(148, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.282, 5.634 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(148, 0, 67) }
```

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

```
.border{ border-color:rgb(148, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.282, 5.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 67) }
```

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

```
.background{ background-color: rgb(148, 0,  
67) }
```

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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