

Converting Colors

CIELCh(31, 56.265, 8.069)

Have a look what the booklet for
CIELCh(31, 56.265, 8.069) contains.

CIELCh(31, 56.297, 8.212)	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, 56.297, 8.212)

Conversions

Conversions Part 1

Format	Color
Hex	94003F
RGB	148, 0, 63
RGB Percent	58%, 0%, 25%
CMY	0.4197, 1.0000, 0.7530
CMYK	0.00, 1.00, 0.57, 0.42
HSL	334°, 100%, 29%
HSV	334°, 100%, 58%
XYZ	13.1048, 6.6515, 5.2932
YIQ	51.4340, 67.9850, 50.9690

Conversions

Conversions Part 2

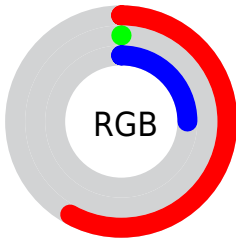
Format	Color
R _Y B	148, 0, 63
Decimal	9699391
CIE Lab	31.00, 55.72, 8.04
CIE LCh	31, 56.297, 8.212
Yxy	6.6515, 0.5232, 0.2655
Android (android.graphics.Color)	4287889471 (0xFF94003F)
YUV	51.4340, 5.7020, 84.6884
Hunter-Lab	25.7905, 45.5672, 5.8848

Details

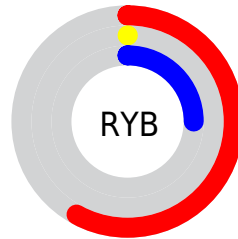
The CIELCh color **31, 56.297, 8.212** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **54, 54.300, 153.649**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.250, 8.157**, and **17, 41.275, 22.315** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.291, 8.216**, and if you desaturate by 10%, it is **32, 54.249, 4.047**.

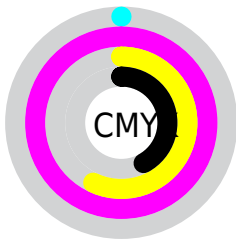
Distribution



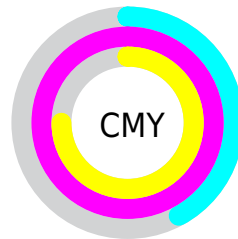
- Red (58%)
- Green (0%)
- Blue (25%)



- Red (58%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.297, 8.212 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, 56.297, 8.212 by changing the saturation by 10% instead.

 31, 56.297, 8.212  31, 56.297, 8.212

 100, 56.297, 8.212  21, 56.297, 8.212


 51, 56.297, 8.212  11, 56.297, 8.212


 61, 56.297, 8.212  1, 56.297, 8.212

 71, 56.297, 8.212  0, 56.297, 8.212

 81, 56.297, 8.212

 91, 56.297, 8.212

 31, 56.297, 8.212  31, 56.297, 8.212

 31, 56.291, 8.216  32, 54.249, 4.047

 34, 51.292, 0.483

■ 36, 46.961,
357.658

■ 38, 41.452,
355.408

■ 42, 35.087,
353.585

■ 45, 28.203,
352.075

■ 49, 21.081,
350.794

■ 53, 13.925,
349.681

■ 57, 6.873, 348.683

Harmonies

Complementary

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



31, 56.297, 8.212



54, 54.300, 153.649

Rectangle

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



31, 56.297, 8.212



31, 56.297, 58.212



31, 56.297, 188.212



31, 56.297, 238.212

Sweetspot

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



31, 56.291, 8.216



62, 25.995, 350.865



24, 81.852, 313.715



31, 17.911, 351.337



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, 56.291, 8.216



41, 68.086, 9.313



31, 68.153, 40.407



29, 3.876, 348.606



29, 53.406, 7.864



1, 3.346, 347.860

Inverse Universe

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



31, 56.291, 8.216



41, 68.086, 9.313



52, 30.707, 207.511



29, 3.876, 348.606



29, 53.406, 7.864



1, 3.346, 347.860

Previews

White Background



This preview shows how the CIELCh color 31, 56.297, 8.212 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, 56.297, 8.212 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, 56.297, 8.212

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.297, 8.212.



This preview shows how white text looks on a background with the CIELCh color 31, 56.297, 8.212.

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, 56.297, 8.212

Protanopia

33, 10.153, 285.216

Deuteranopia

32, 13.110, 69.635



Tritanopia
32, 59.438, 34.707

Trichromacy



Original Color
31, 56.297, 8.212

Protanomaly
28, 29.643, 341.248

Deuteranomaly
29, 30.790, 11.504

Tritanomaly
31, 57.125, 25.609

Monochromacy



Original Color
31, 56.297, 8.212

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 27.820, 355.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.297, 8.212 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.297, 8.212 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, 63) }
```

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

```
.border{ border-color:rgb(148, 0, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.297, 8.212 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, 63) }
```

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

```
.background{ background-color: rgb(148, 0,  
63) }
```

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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