

Converting Colors

CIELCh(28, 64.100, 4.858)

Have a look what the booklet for
CIELCh(28, 64.100, 4.858) contains.

CIELCh(31, 56.061, 9.203)	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, 56.061, 9.203)

Conversions

Conversions Part 1

Format	Color
Hex	94023E
RGB	148, 2, 62
RGB Percent	58%, 1%, 24%
CMY	0.4205, 0.9939, 0.7585
CMYK	0.00, 0.99, 0.58, 0.42
HSL	335°, 98%, 29%
HSV	335°, 99%, 58%
XYZ	13.0470, 6.6515, 5.0946
YIQ	52.4940, 67.7560, 49.6120

Conversions

Conversions Part 2

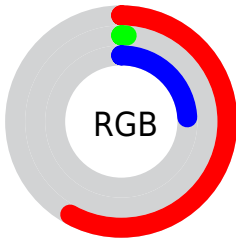
Format	Color
R_{YB}	148, 2, 62
Decimal	9699902
CIE _{Lab}	31.00, 55.34, 8.97
CIE _{LCh}	31, 56.061, 9.203
Yxy	6.6515, 0.5262, 0.2683
Android (android.graphics.Color)	4287889982 (0xFF94023E)
YUV	52.4940, 4.6865, 83.7588
Hunter-Lab	25.7905, 45.1671, 6.3414

Details

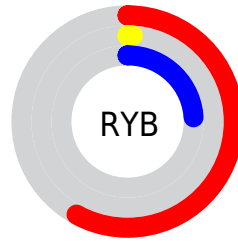
The CIELCh color **31, 56.061, 9.203** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **54, 52.995, 154.769**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.215, 9.239**, and **17, 41.484, 23.176** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.302, 9.647**, and if you desaturate by 10%, it is **32, 53.877, 4.940**.

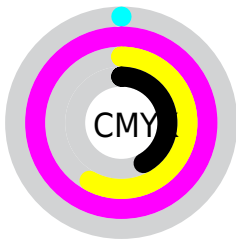
Distribution



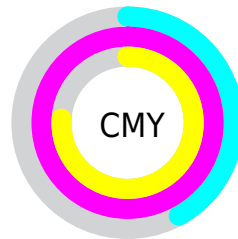
- Red (58%)
- Green (1%)
- Blue (24%)



- Red (58%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (58%)
- Black (42%)



- Cyan (42%)
- Magenta (99%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.061, 9.203 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, 56.061, 9.203 by changing the saturation by 10% instead.

 31, 56.061, 9.203

 31, 56.061, 9.203

 100, 56.061, 9.203

 21, 56.061, 9.203

 51, 56.061, 9.203

 11, 56.061, 9.203

 61, 56.061, 9.203

 1, 56.061, 9.203

 71, 56.061, 9.203

 0, 56.061, 9.203

 81, 56.061, 9.203

 91, 56.061, 9.203

 31, 56.061, 9.203

 31, 56.061, 9.203

 31, 56.302, 9.647

 32, 53.877, 4.940

 34, 50.691, 1.354

■ 36, 46.179,
358.513

■ 39, 40.549,
356.250

■ 42, 34.125,
354.417

■ 45, 27.233,
352.900

■ 49, 20.143,
351.613

■ 53, 13.050,
350.497

■ 57, 6.079, 349.493

Harmonies

Complementary

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



31, 56.061, 9.203



54, 52.995, 154.769

Rectangle

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



31, 56.061, 9.203



31, 56.061, 59.203



31, 56.061, 189.203



31, 56.061, 239.203

Sweetspot

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



31, 56.058, 9.205



62, 25.790, 351.813



24, 81.058, 314.191



31, 17.774, 352.294



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, 56.058, 9.205



41, 68.208, 10.779



31, 67.308, 40.440



29, 3.840, 349.518



29, 53.460, 9.292



1, 3.314, 348.764

Inverse Universe

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



31, 56.058, 9.205



41, 68.208, 10.779



51, 30.129, 210.491



29, 3.840, 349.518



29, 53.460, 9.292



1, 3.314, 348.764

Previews

White Background



This preview shows how the CIE LCh color 31, 56.061, 9.203 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 CIE LCh color 31, 56.061, 9.203 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, 56.061, 9.203

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.061, 9.203.



This preview shows how white text looks on a background with the CIELCh color 31, 56.061, 9.203.

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, 56.050, 9.048

Protanopia

32, 9.516, 287.025

Deuteranopia

32, 14.149, 72.410



Tritanopia
32, 59.031, 34.654

Trichromacy



Original Color
31, 56.050, 9.048

Protanomaly
28, 29.292, 342.245

Deuteranomaly
29, 30.394, 14.637

Tritanomaly
31, 57.125, 25.609

Monochromacy



Original Color
31, 56.050, 9.048

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 27.045, 356.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.061, 9.203 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, 2, 62)` looks like.

```
.text, #text, p{  
    color:rgb(148, 2, 62)  
}
```

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, 2, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 2, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.061, 9.203 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, 2, 62) }
```

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

```
.border{ border-color:rgb(148, 2, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 2, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 2, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 2, 62);  
box-shadow:4px 4px 4px 4px rgb(148, 2, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.061, 9.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 2, 62) }
```

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

```
.background{ background-color: rgb(148, 2,  
62) }
```

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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