

Converting Colors

CIELCh(31, 64.563, 36.142)

Have a look what the booklet for
CIELCh(31, 64.563, 36.142) contains.

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Color

CIELCh(31, 64.712, 36.169)

Conversions

Conversions Part 1

Format	Color
Hex	950B0F
RGB	149, 11, 15
RGB Percent	58%, 4%, 6%
CMY	0.4160, 0.9574, 0.9414
CMYK	0.00, 0.93, 0.90, 0.42
HSL	358°, 86%, 31%
HSV	358°, 93%, 58%
XYZ	12.5824, 6.6515, 1.0703
YIQ	52.7180, 80.9640, 30.5000

Conversions

Conversions Part 2

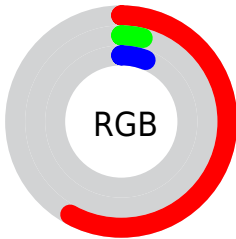
Format	Color
R_{YB}	149, 11, 15
Decimal	9767695
CIE Lab	31.00, 52.24, 38.19
CIE LCh	31, 64.712, 36.169
Yxy	6.6515, 0.6197, 0.3276
Android (android.graphics.Color)	4287957775 (0xFF950B0F)
YUV	52.7180, -18.5950, 84.4393
Hunter-Lab	25.7905, 41.9515, 15.5927

Details

The CIELCh color **31, 64.712, 36.169** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **56, 33.771, 192.322**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 64.808, 36.326**, and **16, 44.820, 33.969** is the 20% darker color. If you saturate the color by 10%, you get **30, 68.345, 38.211**, and if you desaturate by 10%, it is **32, 58.529, 32.424**.

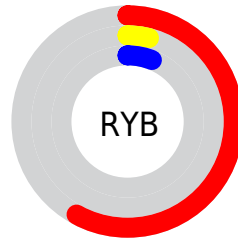
Distribution



Red (58%)

Green (4%)

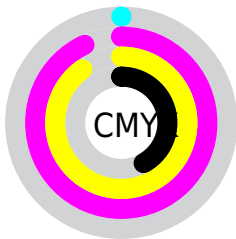
Blue (6%)



Red (58%)

Yellow (4%)

Blue (6%)

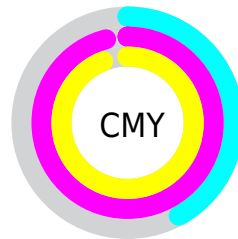


Cyan (0%)

Magenta (93%)

Yellow (90%)

Black (42%)



Cyan (42%)

Magenta (96%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 64.712, 36.169 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, 64.712, 36.169 by changing the saturation by 10% instead.

■ 31, 64.712, 36.169

■ 31, 64.712, 36.169

■ 100, 64.712,
36.169

■ 21, 64.712, 36.169

■ 51, 64.712, 36.169

■ 11, 64.712, 36.169

■ 61, 64.712, 36.169

■ 1, 64.712, 36.169

■ 71, 64.712, 36.169

■ 0, 64.712, 36.169

■ 81, 64.712, 36.169

■ 91, 64.712, 36.169

■ 31, 64.712, 36.169

■ 31, 64.712, 36.169

■ 30, 68.345, 38.211

■ 32, 58.529, 32.424

■ 34, 51.412, 28.820

■ 37, 43.847, 25.763

■ 40, 36.134, 23.314

■ 44, 28.512, 21.397

■ 48, 21.160, 19.905

■ 52, 14.191, 18.734

■ 56, 7.659, 17.794

■ 60, 1.574, 16.844

Harmonies

Complementary

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



31, 64.712, 36.169



56, 33.771, 192.322

Rectangle

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



31, 64.712, 36.169



31, 64.712, 86.169



31, 64.712, 216.169



31, 64.712, 266.169

Sweetspot

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



31, 64.710, 36.171



63, 22.142, 19.387



35, 75.871, 326.940



31, 15.447, 19.877



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, 64.710, 36.171



40, 83.773, 38.873



40, 54.090, 59.976



29, 3.343, 17.497



28, 64.162, 37.754



1, 2.832, 16.946

Inverse Universe

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



31, 64.710, 36.171



40, 83.773, 38.873



35, 41.374, 276.539



29, 3.343, 17.497



28, 64.162, 37.754



1, 2.832, 16.946

Previews

White Background



This preview shows how the CIELCh color 31, 64.712, 36.169 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, 64.712, 36.169 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, 64.712, 36.169

Background



This preview shows how black text looks on a background with the CIELCh color 31, 64.712, 36.169.



This preview shows how white text looks on a background with the CIELCh color 31, 64.712, 36.169.

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, 64.712, 36.169

Protanopia

32, 29.225, 96.798

Deuteranopia

32, 41.027, 85.494



Tritanopia
31, 68.245, 40.775

Trichromacy



Original Color
31, 64.712, 36.169

Protanomaly
29, 36.699, 51.983

Deuteranomaly
29, 46.335, 55.536

Tritanomaly
31, 67.105, 39.308

Monochromacy



Original Color
31, 64.712, 36.169

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 25.412, 24.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 64.712, 36.169 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(149, 11, 15)` looks like.

```
.text, #text, p{  
    color:rgb(149, 11, 15)  
}
```

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(149, 11, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 11, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 64.712, 36.169 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(149, 11, 15) }
```

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

```
.border{ border-color:rgb(149, 11, 15) }
```

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

Here you see how a box with a 4 pixel rgb(149, 11, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 11, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 11, 15);  
box-shadow:4px 4px 4px 4px rgb(149, 11,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 64.712, 36.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 11, 15) }
```

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

```
.background{ background-color: rgb(149, 11,  
15) }
```

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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