

Converting Colors

CIELCh(31, 61.941, 35.767)

Have a look what the booklet for
CIELCh(31, 61.941, 35.767) contains.

CIELCh(31, 62.265, 35.904)	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, 62.265, 35.904)

Conversions

Conversions Part 1

Format	Color
Hex	931212
RGB	147, 18, 18
RGB Percent	58%, 7%, 7%
CMY	0.4243, 0.9304, 0.9300
CMYK	0.00, 0.88, 0.88, 0.42
HSL	360°, 78%, 32%
HSV	360°, 88%, 58%
XYZ	12.3168, 6.6515, 1.2010
YIQ	56.5710, 76.8840, 27.3480

Conversions

Conversions Part 2

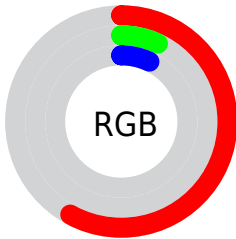
Format	Color
R_{YB}	147, 18, 18
Decimal	9638418
CIE _{Lab}	31.00, 50.43, 36.51
CIE _{LCh}	31, 62.265, 35.904
Yxy	6.6515, 0.6107, 0.3298
Android (android.graphics.Color)	4287828498 (0xFF931212)
YUV	56.5710, -19.0155, 79.3062
Hunter-Lab	25.7905, 40.1130, 15.2923

Details

The CIELCh color **31, 62.265, 35.904** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **55, 32.342, 196.331**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 62.224, 35.821**, and **16, 43.930, 33.595** is the 20% darker color. If you saturate the color by 10%, you get **30, 67.547, 38.783**, and if you desaturate by 10%, it is **33, 55.458, 32.410**.

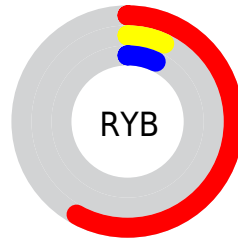
Distribution



Red (58%)

Green (7%)

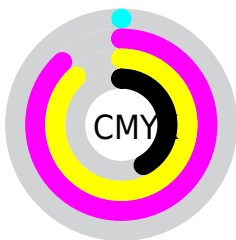
Blue (7%)



Red (58%)

Yellow (7%)

Blue (7%)

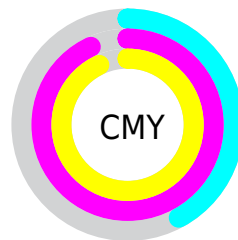


Cyan (0%)

Magenta (88%)

Yellow (88%)

Black (42%)



Cyan (42%)

Magenta (93%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 62.265, 35.904 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, 62.265, 35.904 by changing the saturation by 10% instead.

■ 31, 62.265, 35.904

■ 31, 62.265, 35.904

■ 100, 62.265,
35.904

■ 21, 62.265, 35.904

■ 51, 62.265, 35.904

■ 11, 62.265, 35.904

■ 61, 62.265, 35.904

■ 1, 62.265, 35.904

■ 71, 62.265, 35.904

■ 0, 62.265, 35.904

■ 81, 62.265, 35.904

■ 91, 62.265, 35.904

■ 31, 62.265, 35.904

■ 31, 62.265, 35.904

■ 30, 67.547, 38.783

■ 33, 55.458, 32.410

30, 68.577, 39.281

35, 47.925, 29.183

38, 40.125, 26.509

41, 32.346, 24.398

45, 24.800, 22.763

49, 17.625, 21.501

53, 10.896, 20.519

57, 4.634, 19.713

62, 1.171, 199.594

Harmonies

Complementary

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



31, 62.265, 35.904



55, 32.342, 196.331

Rectangle

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



31, 62.265, 35.904



31, 62.265, 85.904



31, 62.265, 215.904



31, 62.265, 265.904

Sweetspot

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



31, 62.263, 35.906



64, 20.263, 21.351



35, 73.735, 327.513



32, 14.004, 21.699



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, 62.263, 35.906



40, 84.184, 39.961



41, 50.896, 62.386



29, 3.343, 19.814



28, 65.094, 38.891



1, 2.828, 19.324

Inverse Universe

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



31, 62.263, 35.906



40, 84.184, 39.961



35, 40.123, 276.217



29, 3.343, 19.814



28, 65.094, 38.891



1, 2.828, 19.324

Previews

White Background



This preview shows how the CIELCh color 31, 62.265, 35.904 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, 62.265, 35.904 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, 62.265, 35.904

Background



This preview shows how black text looks on a background with the CIELCh color 31, 62.265, 35.904.



This preview shows how white text looks on a background with the CIELCh color 31, 62.265, 35.904.

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, 62.265, 35.904

Protanopia

32, 27.765, 95.548

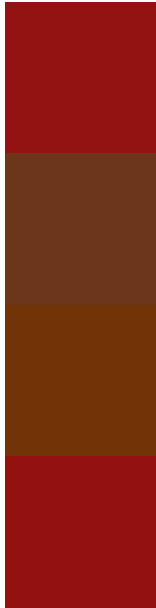
Deuteranopia

32, 40.880, 84.608



Tritanopia
31, 63.107, 37.042

Trichromacy



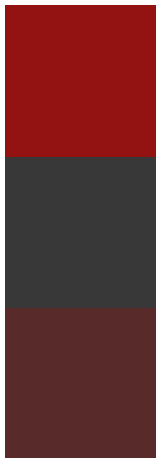
Original Color
31, 62.265, 35.904

Protanomaly
29, 34.727, 52.498

Deuteranomaly
30, 45.263, 56.945

Tritanomaly
31, 62.829, 36.675

Monochromacy



Original Color
31, 62.265, 35.904

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 23.772, 24.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 62.265, 35.904 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(147, 18, 18)` looks like.

```
.text, #text, p{  
    color:rgb(147, 18, 18)  
}
```

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(147, 18, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 18, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 62.265, 35.904 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(147, 18, 18) }
```

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

```
.border{ border-color:rgb(147, 18, 18) }
```

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

Here you see how a box with a 4 pixel rgb(147, 18, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 18, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 18, 18);  
box-shadow:4px 4px 4px 4px rgb(147, 18,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 62.265, 35.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 18, 18) }
```

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

```
.background{ background-color: rgb(147, 18,  
18) }
```

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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