

Converting Colors

CIELCh(31, 37.278, 77.247)

Have a look what the booklet for
CIELCh(31, 37.278, 77.247) contains.

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Color

CIELCh(31, 37.097, 77.227)

Conversions

Conversions Part 1

Format	Color
Hex	62430B
RGB	98, 67, 11
RGB Percent	38%, 26%, 4%
CMY	0.6153, 0.7369, 0.9564
CMYK	0.00, 0.32, 0.89, 0.62
HSL	39°, 80%, 21%
HSV	39°, 89%, 38%
XYZ	7.1214, 6.6515, 1.2283
YIQ	69.8850, 36.4520, -10.8440

Conversions

Conversions Part 2

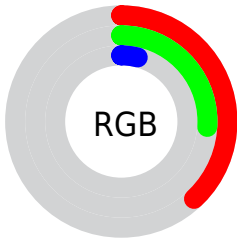
Format	Color
R_{YB}	59, 98, 11
Decimal	6439691
CIE _{Lab}	31.00, 8.20, 36.18
CIE _{LCh}	31, 37.097, 77.227
Yxy	6.6515, 0.4747, 0.4434
Android (android.graphics.Color)	4284629771 (0xFF62430B)
YUV	69.8850, -29.0303, 24.6569
Hunter-Lab	25.7905, 4.1550, 15.2295

Details

The CIELCh color **31, 37.097, 77.227** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **18, 38.406, 289.196**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 36.992, 77.461**, and **11, 18.920, 61.211** is the 20% darker color. If you saturate the color by 10%, you get **30, 40.409, 75.585**, and if you desaturate by 10%, it is **32, 33.619, 78.934**.

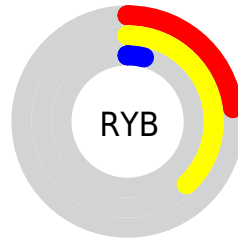
Distribution



Red (38%)

Green (26%)

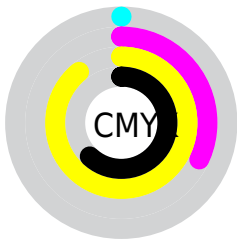
Blue (4%)



Red (23%)

Yellow (38%)

Blue (4%)

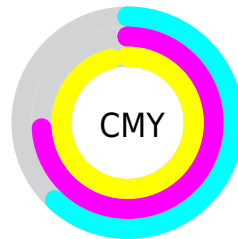


Cyan (0%)

Magenta (32%)

Yellow (89%)

Black (62%)



Cyan (62%)

Magenta (74%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 37.097, 77.227 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, 37.097, 77.227 by changing the saturation by 10% instead.

31, 37.097, 77.227

31, 37.097, 77.227

100, 37.097,
77.227

21, 37.097, 77.227

51, 37.097, 77.227

11, 37.097, 77.227

61, 37.097, 77.227

1, 37.097, 77.227

71, 37.097, 77.227

0, 37.097, 77.227

81, 37.097, 77.227

91, 37.097, 77.227

31, 37.097, 77.227

31, 37.097, 77.227

30, 40.409, 75.585

32, 33.619, 78.934

■ 30, 40.883, 75.400

■ 33, 29.570, 80.446

■ 34, 25.244, 81.853

■ 35, 20.819, 83.199

■ 37, 16.398, 84.503

■ 38, 12.032, 85.771

■ 39, 7.749, 87.001

■ 40, 3.557, 88.178

■ 42, 0.542, 269.666

Harmonies

Complementary

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



31, 37.097, 77.227



18, 38.406, 289.196

Rectangle

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



31, 37.097, 77.227



31, 37.097, 127.227



31, 37.097, 257.227



31, 37.097, 307.227

Sweetspot

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



31, 37.096, 77.230



49, 14.040, 85.880



20, 39.240, 7.142



24, 9.400, 85.608



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



31, 37.096, 77.230



39, 49.349, 74.493



39, 45.630, 110.452



19, 2.276, 88.157



34, 45.038, 74.928



71, 78.735, 72.910

Inverse Universe

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



18, 38.406, 289.196



22, 54.501, 294.019



11, 59.056, 305.663



19, 2.272, 270.353



19, 49.023, 293.473



43, 91.475, 295.884

Previews

White Background



This preview shows how the CIELCh color 31, 37.097, 77.227 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, 37.097, 77.227 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, 37.097, 77.227

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.097, 77.227.



This preview shows how white text looks on a background with the CIELCh color 31, 37.097, 77.227.

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, 37.097, 77.227

Protanopia

31, 35.218, 95.991

Deuteranopia

31, 37.011, 84.195



Tritanopia
31, 18.287, 13.005

Trichromacy



Original Color
31, 37.097, 77.227

Protanomaly
31, 35.282, 88.895

Deuteranomaly
31, 36.936, 81.572

Tritanomaly
31, 21.588, 51.104

Monochromacy



Original Color
31, 37.097, 77.227

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 13.881, 84.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 37.097, 77.227 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(98, 67, 11)` looks like.

```
.text, #text, p{  
    color:rgb(98, 67, 11)  
}
```

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(98, 67, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 67, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.097, 77.227 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(98, 67, 11) }
```

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

```
.border{ border-color:rgb(98, 67, 11) }
```

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

Here you see how a box with a 4 pixel rgb(98, 67, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 67, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 67, 11);  
box-shadow:4px 4px 4px 4px rgb(98, 67, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.097, 77.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 67, 11) }
```

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

```
.background{ background-color: rgb(98, 67,  
11) }
```

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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