

Converting Colors

CIELCh(31, 52.052, 54.347)

Have a look what the booklet for
CIELCh(31, 52.052, 54.347) contains.

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Color

CIELCh(31, 52.070, 54.340)

Conversions

Conversions Part 1

Format	Color
Hex	7D3200
RGB	125, 50, 0
RGB Percent	49%, 20%, 0%
CMY	0.5095, 0.8037, 0.9998
CMYK	0.00, 0.60, 1.00, 0.51
HSL	24°, 100%, 25%
HSV	24°, 100%, 49%
XYZ	9.6110, 6.6515, 0.7790
YIQ	66.7250, 60.7500, 0.3500

Conversions

Conversions Part 2

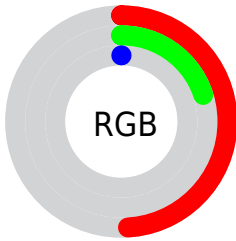
Format	Color
R_{YB}	125, 83, 0
Decimal	8204800
CIE _{Lab}	31.00, 30.36, 42.31
CIE _{LCh}	31, 52.070, 54.340
Yxy	6.6515, 0.5640, 0.3903
Android (android.graphics.Color)	4286394880 (0xFF7D3200)
YUV	66.7250, -32.8954, 51.1072
Hunter-Lab	25.7905, 21.3860, 16.2626

Details

The CIELCh color **31, 52.070, 54.340** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **31, 33.849, 270.486**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 52.182, 54.499**, and **11, 35.029, 29.389** is the 20% darker color. If you saturate the color by 10%, you get **31, 52.094, 54.339**, and if you desaturate by 10%, it is **33, 46.885, 55.462**.

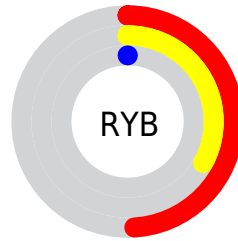
Distribution



Red (49%)

Green (20%)

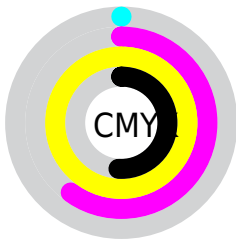
Blue (0%)



Red (49%)

Yellow (33%)

Blue (0%)

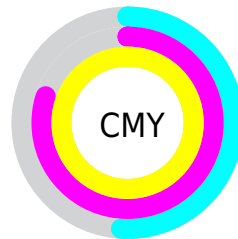


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 52.070, 54.340 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, 52.070, 54.340 by changing the saturation by 10% instead.

31, 52.070, 54.340

31, 52.070, 54.340

100, 52.070,
54.340

21, 52.070, 54.340

51, 52.070, 54.340

11, 52.070, 54.340

61, 52.070, 54.340

1, 52.070, 54.340

71, 52.070, 54.340

0, 52.070, 54.340

81, 52.070, 54.340

91, 52.070, 54.340

31, 52.070, 54.340

31, 52.070, 54.340

31, 52.094, 54.339

33, 46.885, 55.462

■ 34, 41.414, 56.656

■ 36, 35.544, 57.568

■ 38, 29.678, 58.397

■ 41, 24.008, 59.230

■ 43, 18.616, 60.096

■ 45, 13.527, 60.999

■ 48, 8.737, 61.928

■ 50, 4.228, 62.854

Harmonies

Complementary

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



31, 52.070, 54.340



31, 33.849, 270.486

Rectangle

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



31, 52.070, 54.340



31, 52.070, 104.340



31, 52.070, 234.340



31, 52.070, 284.340

Sweetspot

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



31, 52.068, 54.342



58, 16.883, 60.928



26, 52.271, 350.423



29, 11.584, 60.615



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



31, 52.068, 54.342



41, 63.903, 53.506



46, 52.840, 95.022



26, 2.426, 62.928



32, 52.905, 54.302



0, 0.000, 0.000

Inverse Universe

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



31, 33.849, 270.486



40, 41.881, 271.832



14, 72.744, 303.988



26, 2.345, 244.942



31, 34.386, 270.613



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 52.070, 54.340 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, 52.070, 54.340 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, 52.070, 54.340

Background



This preview shows how black text looks on a background with the CIELCh color 31, 52.070, 54.340.



This preview shows how white text looks on a background with the CIELCh color 31, 52.070, 54.340.

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, 52.070, 54.340

Protanopia

31, 35.589, 95.999

Deuteranopia

31, 40.547, 84.410



Tritanopia
31, 38.242, 25.795

Trichromacy



Original Color
31, 52.070, 54.340

Protanomaly
30, 37.956, 75.741

Deuteranomaly
31, 42.971, 71.263

Tritanomaly
31, 42.939, 40.265

Monochromacy



Original Color
31, 52.070, 54.340

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 18.348, 59.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 52.070, 54.340 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(125, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 50, 0)  
}
```

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(125, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 50, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 52.070, 54.340 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(125, 50, 0) }
```

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

```
.border{ border-color:rgb(125, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 52.070, 54.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 50, 0) }
```

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

```
.background{ background-color: rgb(125, 50,  
0) }
```

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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