

Converting Colors

CIELCh(31, 53.070, 53.839)

Have a look what the booklet for
CIELCh(31, 53.070, 53.839) contains.

CIELCh(31, 52.673, 53.559)	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, 52.673, 53.559)

Conversions

Conversions Part 1

Format	Color
Hex	7E3100
RGB	126, 49, 0
RGB Percent	49%, 19%, 0%
CMY	0.5054, 0.8074, 0.9996
CMYK	0.00, 0.61, 1.00, 0.51
HSL	23°, 100%, 25%
HSV	23°, 100%, 49%
XYZ	9.7269, 6.6515, 0.7743
YIQ	66.4370, 61.6210, 1.0850

Conversions

Conversions Part 2

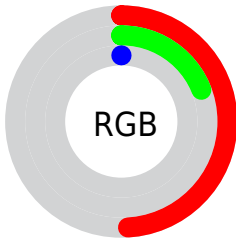
Format	Color
R_{YB}	126, 80, 0
Decimal	8270080
CIE _{Lab}	31.00, 31.29, 42.37
CIE _{LCh}	31, 52.673, 53.559
Yxy	6.6515, 0.5671, 0.3878
Android (android.graphics.Color)	4286460160 (0xFF7E3100)
YUV	66.4370, -32.7534, 52.2368
Hunter-Lab	25.7905, 22.1877, 16.2734

Details

The CIELCh color **31, 52.673, 53.559** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **31, 33.347, 268.938**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 52.709, 53.637**, and **11, 35.778, 29.053** is the 20% darker color. If you saturate the color by 10%, you get **31, 52.718, 53.556**, and if you desaturate by 10%, it is **33, 47.405, 54.609**.

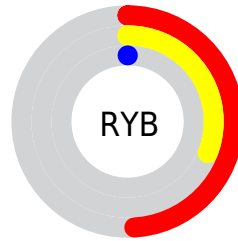
Distribution



Red (49%)

Green (19%)

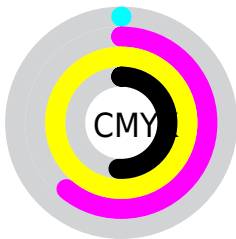
Blue (0%)



Red (49%)

Yellow (31%)

Blue (0%)

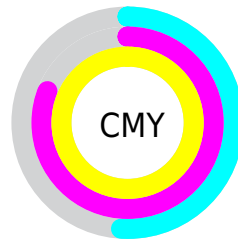


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 52.673, 53.559 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, 52.673, 53.559 by changing the saturation by 10% instead.

31, 52.673, 53.559

31, 52.673, 53.559

100, 52.673,
53.559

21, 52.673, 53.559

51, 52.673, 53.559

11, 52.673, 53.559

61, 52.673, 53.559

1, 52.673, 53.559

71, 52.673, 53.559

0, 52.673, 53.559

81, 52.673, 53.559

91, 52.673, 53.559

31, 52.673, 53.559

31, 52.673, 53.559

31, 52.718, 53.556

33, 47.405, 54.609

■ 34, 41.825, 55.720

■ 36, 35.857, 56.554

■ 39, 29.907, 57.314

■ 41, 24.168, 58.086

■ 43, 18.720, 58.900

■ 45, 13.586, 59.758

■ 48, 8.762, 60.647

■ 50, 4.228, 61.536

Harmonies

Complementary

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



31, 52.673, 53.559



31, 33.347, 268.938

Rectangle

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



31, 52.673, 53.559



31, 52.673, 103.559



31, 52.673, 233.559



31, 52.673, 283.559

Sweetspot

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



31, 52.671, 53.561



58, 16.863, 59.689



27, 52.575, 350.440



29, 11.574, 59.391



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, 52.671, 53.561



40, 64.285, 52.777



47, 53.149, 95.018



26, 2.419, 61.605



31, 53.179, 53.538



0, 0.000, 0.000

Inverse Universe

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



31, 33.347, 268.938



41, 40.967, 270.262



15, 73.210, 303.999



26, 2.334, 243.566



32, 33.659, 269.034



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 31, 52.673, 53.559 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, 52.673, 53.559 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, 52.673, 53.559

Background



This preview shows how black text looks on a background with the CIELCh color 31, 52.673, 53.559.



This preview shows how white text looks on a background with the CIELCh color 31, 52.673, 53.559.

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, 52.673, 53.559

Protanopia

31, 35.218, 95.991

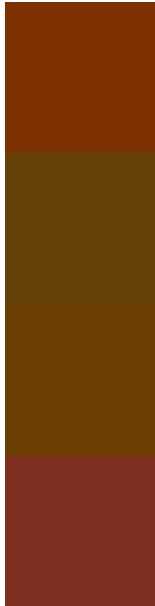
Deuteranopia

31, 40.547, 84.410



Tritanopia
31, 39.237, 26.140

Trichromacy



Original Color
31, 52.673, 53.559

Protanomaly
31, 38.243, 75.077

Deuteranomaly
31, 43.319, 69.880

Tritanomaly
31, 43.650, 39.544

Monochromacy



Original Color
31, 52.673, 53.559

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 18.795, 56.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 52.673, 53.559 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(126, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 49, 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(126, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 49, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 52.673, 53.559 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(126, 49, 0) }
```

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

```
.border{ border-color:rgb(126, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 52.673, 53.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 49, 0) }
```

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

```
.background{ background-color: rgb(126, 49,  
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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