

Converting Colors

CIELCh(31, 54.717, 35.963)

Have a look what the booklet for
CIELCh(31, 54.717, 35.963) contains.

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Color

CIELCh(31, 54.881, 35.840)

Conversions

Conversions Part 1

Format	Color
Hex	8C2019
RGB	140, 32, 25
RGB Percent	55%, 13%, 10%
CMY	0.4517, 0.8752, 0.9025
CMYK	0.00, 0.77, 0.82, 0.45
HSL	4°, 70%, 32%
HSV	4°, 82%, 55%
XYZ	11.4688, 6.6515, 1.5915
YIQ	63.4940, 66.6150, 20.7190

Conversions

Conversions Part 2

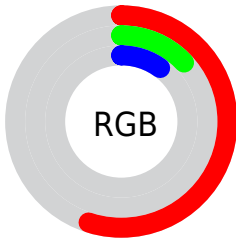
Format	Color
R_{YB}	140, 32, 25
Decimal	9183257
CIE Lab	31.00, 44.49, 32.13
CIE LCh	31, 54.881, 35.840
Yxy	6.6515, 0.5818, 0.3374
Android (android.graphics.Color)	4287373337 (0xFF8C2019)
YUV	63.4940, -18.9775, 67.0958
Hunter-Lab	25.7905, 34.2441, 14.3946

Details

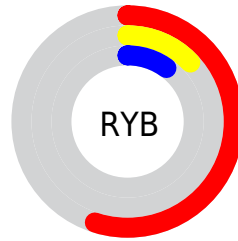
The CIELCh color **31, 54.881, 35.840** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **50, 28.467, 205.013**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 54.857, 36.151**, and **14, 41.690, 32.564** is the 20% darker color. If you saturate the color by 10%, you get **30, 61.287, 38.406**, and if you desaturate by 10%, it is **33, 47.610, 33.219**.

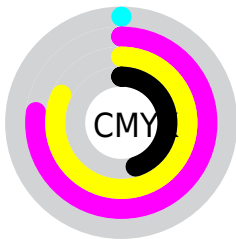
Distribution



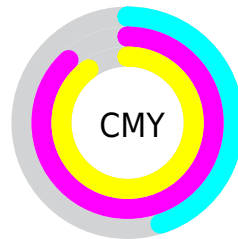
- Red (55%)
- Green (13%)
- Blue (10%)



- Red (55%)
- Yellow (13%)
- Blue (10%)



- Cyan (0%)
- Magenta (77%)
- Yellow (82%)
- Black (45%)



- Cyan (45%)
- Magenta (88%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 54.881, 35.840 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, 54.881, 35.840 by changing the saturation by 10% instead.

■ 31, 54.881, 35.840

■ 31, 54.881, 35.840

■ 100, 54.881,
35.840

■ 21, 54.881, 35.840

■ 51, 54.881, 35.840

■ 11, 54.881, 35.840

■ 61, 54.881, 35.840

■ 1, 54.881, 35.840

■ 71, 54.881, 35.840

■ 0, 54.881, 35.840

■ 81, 54.881, 35.840

■ 91, 54.881, 35.840

■ 31, 54.881, 35.840

■ 31, 54.881, 35.840

■ 30, 61.287, 38.406

■ 33, 47.610, 33.219

29, 65.120, 40.070

36, 40.113, 30.953

39, 32.698, 29.133

42, 25.552, 27.723

46, 18.789, 26.651

49, 12.462, 25.841

53, 6.587, 25.218

57, 1.148, 24.475

61, 3.883, 204.640

Harmonies

Complementary

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



31, 54.881, 35.840



50, 28.467, 205.013

Rectangle

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



31, 54.881, 35.840



31, 54.881, 85.840



31, 54.881, 215.840



31, 54.881, 265.840

Sweetspot

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



31, 54.879, 35.842



62, 17.546, 26.085



34, 66.665, 329.778



31, 12.212, 26.334



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 54.879, 35.842



38, 79.411, 40.355



42, 45.747, 69.432



27, 2.969, 25.046



27, 62.300, 39.790



0, 1.333, 24.760

Inverse Universe

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



50, 28.467, 205.013



63, 35.789, 206.477



33, 40.597, 280.453



28, 2.805, 204.560



47, 28.561, 206.283



1, 1.333, 204.778

Previews

White Background



This preview shows how the CIELCh color 31, 54.881, 35.840 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, 54.881, 35.840 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, 54.881, 35.840

Background



This preview shows how black text looks on a background with the CIELCh color 31, 54.881, 35.840.



This preview shows how white text looks on a background with the CIELCh color 31, 54.881, 35.840.

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, 54.881, 35.840

Protanopia

32, 24.365, 96.162

Deuteranopia

32, 36.004, 83.984



Tritanopia
31, 53.330, 32.335

Trichromacy



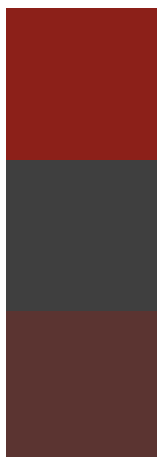
Original Color
31, 54.881, 35.840

Protanomaly
30, 30.233, 55.446

Deuteranomaly
30, 39.627, 58.385

Tritanomaly
31, 53.905, 33.441

Monochromacy



Original Color
31, 54.881, 35.840

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 19.577, 28.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 54.881, 35.840 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(140, 32, 25)` looks like.

```
.text, #text, p{  
  color:rgb(140, 32, 25)  
}
```

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(140, 32, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 32, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 54.881, 35.840 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(140, 32, 25) }
```

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

```
.border{ border-color:rgb(140, 32, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 32, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 32, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 32, 25);  
box-shadow:4px 4px 4px 4px rgb(140, 32,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 54.881, 35.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 32, 25) }
```

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

```
.background{ background-color: rgb(140, 32,  
25) }
```

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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