

Converting Colors

CIELCh(31, 55.478, 27.241)

Have a look what the booklet for
CIELCh(31, 55.478, 27.241) contains.

CIELCh(31, 55.454, 27.466)	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, 55.454, 27.466)

Conversions

Conversions Part 1

Format	Color
Hex	901624
RGB	144, 22, 36
RGB Percent	56%, 9%, 14%
CMY	0.4347, 0.9130, 0.8584
CMYK	0.00, 0.85, 0.75, 0.43
HSL	353°, 73%, 33%
HSV	353°, 85%, 57%
XYZ	12.1379, 6.6515, 2.3215
YIQ	60.0740, 68.2180, 30.2180

Conversions

Conversions Part 2

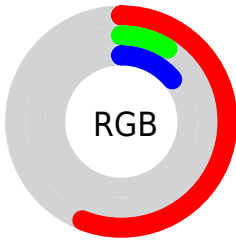
Format	Color
RYB	144, 22, 36
Decimal	9442852
CIELab	31.00, 49.20, 25.58
CIELCh	31, 55.454, 27.466
Yxy	6.6515, 0.5750, 0.3151
Android (android.graphics.Color)	4287632932 (0xFF901624)
YUV	60.0740, -11.8685, 73.6031
Hunter-Lab	25.7905, 38.8746, 12.7165

Details

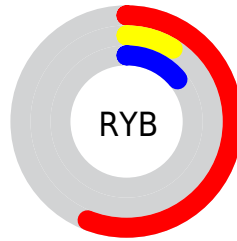
The CIELCh color **31, 55.454, 27.466** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **54, 34.473, 182.591**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 55.392, 27.125**, and **15, 43.484, 33.400** is the 20% darker color. If you saturate the color by 10%, you get **30, 60.817, 31.968**, and if you desaturate by 10%, it is **33, 49.382, 23.445**.

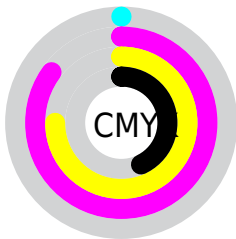
Distribution



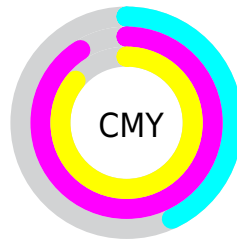
- Red (56%)
- Green (9%)
- Blue (14%)



- Red (56%)
- Yellow (9%)
- Blue (14%)



- Cyan (0%)
- Magenta (85%)
- Yellow (75%)
- Black (43%)



- Cyan (43%)
- Magenta (91%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 55.454, 27.466 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, 55.454, 27.466 by changing the saturation by 10% instead.

■ 31, 55.454, 27.466

■ 31, 55.454, 27.466

■ 100, 55.454,
27.466

■ 21, 55.454, 27.466

■ 51, 55.454, 27.466

■ 11, 55.454, 27.466

■ 61, 55.454, 27.466

■ 1, 55.454, 27.466

■ 71, 55.454, 27.466

■ 0, 55.454, 27.466

■ 81, 55.454, 27.466

■ 91, 55.454, 27.466

■ 31, 55.454, 27.466

■ 31, 55.454, 27.466

■ 30, 60.817, 31.968

■ 33, 49.382, 23.445

29, 63.583, 34.107

35, 42.768, 20.119

38, 35.817, 17.462

42, 28.760, 15.360

46, 21.800, 13.689

49, 15.081, 12.343

54, 8.687, 11.234

58, 2.655, 10.222

62, 3.012, 189.760

Harmonies

Complementary

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



31, 55.454, 27.466



54, 34.473, 182.591

Rectangle

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



31, 55.454, 27.466



31, 55.454, 77.466



31, 55.454, 207.466



31, 55.454, 257.466

Sweetspot

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



31, 55.452, 27.468



63, 18.929, 12.455



33, 71.654, 324.053



31, 13.133, 12.856



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



31, 55.452, 27.468



39, 77.636, 35.124



38, 49.812, 54.699



28, 3.278, 10.694



27, 60.471, 33.797



0, 2.155, 10.009

Inverse Universe

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



31, 55.452, 27.468



39, 77.636, 35.124



39, 32.261, 261.767



28, 3.278, 10.694



27, 60.471, 33.797



0, 2.155, 10.009

Previews

White Background



This preview shows how the CIELCh color 31, 55.454, 27.466 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, 55.454, 27.466 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, 55.454, 27.466

Background



This preview shows how black text looks on a background with the CIELCh color 31, 55.454, 27.466.



This preview shows how white text looks on a background with the CIELCh color 31, 55.454, 27.466.

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, 55.454, 27.466

Protanopia

32, 14.721, 96.149

Deuteranopia

32, 29.047, 81.880



Tritanopia
31, 58.214, 34.546

Trichromacy



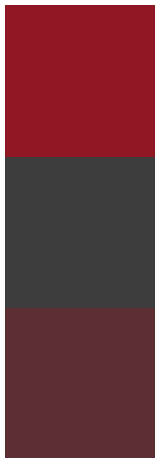
Original Color
31, 55.454, 27.466

Protanomaly
29, 25.479, 37.702

Deuteranomaly
30, 35.235, 46.531

Tritanomaly
31, 57.234, 32.336

Monochromacy



Original Color
31, 55.454, 27.466

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 21.959, 16.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 55.454, 27.466 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(144, 22, 36)` looks like.

```
.text, #text, p{  
    color:rgb(144, 22, 36)  
}
```

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(144, 22, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 22, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 55.454, 27.466 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(144, 22, 36) }
```

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

```
.border{ border-color:rgb(144, 22, 36) }
```

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

Here you see how a box with a 4 pixel rgb(144, 22, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 22, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 22, 36);  
box-shadow:4px 4px 4px 4px rgb(144, 22,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 55.454, 27.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 22, 36) }
```

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

```
.background{ background-color: rgb(144, 22,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor