

Converting Colors

CIELCh(31, 45.195, 22.525)

Have a look what the booklet for
CIELCh(31, 45.195, 22.525) contains.

CIELCh(31, 45.195, 22.525)	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, 45.195, 22.525)

Conversions

Conversions Part 1

Format	Color
Hex	862530
RGB	134, 37, 48
RGB Percent	53%, 15%, 19%
CMY	0.4733, 0.8537, 0.8108
CMYK	0.00, 0.72, 0.64, 0.47
HSL	353°, 57%, 34%
HSV	353°, 72%, 53%
XYZ	11.0912, 6.6515, 3.5214
YIQ	67.2570, 54.2810, 23.9850

Conversions

Conversions Part 2

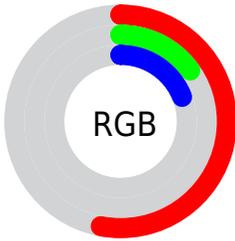
Format	Color
R_YB	134, 37, 48
Decimal	8791344
CIE _{Lab}	31.00, 41.75, 17.31
CIE _{LCh}	31, 45.195, 22.525
Yxy	6.6515, 0.5216, 0.3128
Android (android.graphics.Color)	4286981424 (0xFF862530)
YUV	67.2570, -9.4937, 58.5336
Hunter-Lab	25.7905, 31.6302, 9.9580

Details

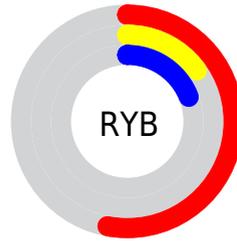
The CIELCh color **31, 45.195, 22.525** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 30.170, 184.095**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 45.179, 22.382**, and **13, 39.711, 31.119** is the 20% darker color. If you saturate the color by 10%, you get **29, 51.098, 26.330**, and if you desaturate by 10%, it is **33, 38.829, 19.419**.

Distribution



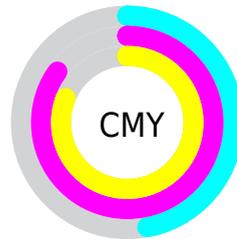
- Red (53%)
- Green (15%)
- Blue (19%)



- Red (53%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (72%)
- Yellow (64%)
- Black (47%)



- Cyan (47%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 45.195, 22.525 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, 45.195, 22.525 by changing the saturation by 10% instead.

31, 45.195, 22.525

31, 45.195, 22.525

100, 45.195,
22.525

21, 45.195, 22.525

51, 45.195, 22.525

11, 45.195, 22.525

61, 45.195, 22.525

1, 45.195, 22.525

71, 45.195, 22.525

0, 45.195, 22.525

81, 45.195, 22.525

91, 45.195, 22.525

31, 45.195, 22.525

31, 45.195, 22.525

29, 51.098, 26.330

33, 38.829, 19.419

28, 56.379, 30.710

36, 32.212, 16.944

27, 60.228, 33.841

40, 25.555, 14.982

43, 19.032, 13.418

47, 12.762, 12.150

51, 6.811, 11.093

55, 1.203, 9.965

59, 4.064, 189.670

63, 9.006, 188.997

Harmonies

Complementary

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



31, 45.195, 22.525



51, 30.170, 184.095

Rectangle

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



31, 45.195, 22.525



31, 45.195, 72.525



31, 45.195, 202.525



31, 45.195, 252.525

Sweetspot

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



31, 45.193, 22.527



60, 15.576, 12.179



32, 61.666, 324.002



30, 10.489, 12.443



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



31, 45.193, 22.527



37, 65.954, 29.207



38, 39.309, 55.847



26, 3.079, 10.790



26, 58.717, 33.650



0, 0.718, 10.118

Inverse Universe

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



31, 45.193, 22.527



37, 65.954, 29.207



39, 27.001, 256.545



26, 3.079, 10.790



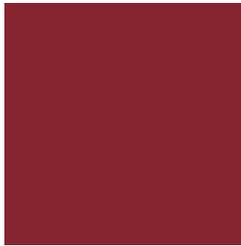
26, 58.717, 33.650



0, 0.718, 10.118

Previews

White Background



This preview shows how the CIELCh color 31, 45.195, 22.525 looks on a white background.

Color Contrast Check

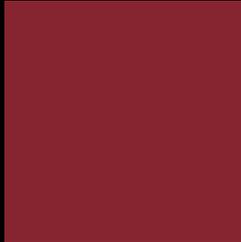
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.195, 22.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

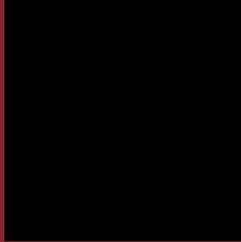
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 45.195, 22.525

Background



This preview shows how black text looks on a background with the CIELCh color 31, 45.195, 22.525.



This preview shows how white text looks on a background with the CIELCh color 31, 45.195, 22.525.

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, 45.195, 22.525

Protanopia

32, 7.190, 93.984

Deuteranopia

31, 20.247, 78.573



Tritanopia
31, 46.339, 29.280

Trichromacy



Original Color
31, 45.195, 22.525

Protanomaly
30, 18.038, 28.501

Deuteranomaly
30, 26.010, 42.602

Tritanomaly
31, 45.907, 26.693

Monochromacy



Original Color
31, 45.195, 22.525

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 16.639, 13.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 45.195, 22.525 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(134, 37, 48)` looks like.

```
.text, #text, p{  
    color:rgb(134, 37, 48)  
}
```

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(134, 37, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 37, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 45.195, 22.525 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(134, 37, 48) }
```

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

```
.border{ border-color:rgb(134, 37, 48) }
```

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

Here you see how a box with a 4 pixel rgb(134, 37, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 37, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 37, 48);  
box-shadow:4px 4px 4px 4px rgb(134, 37,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 45.195, 22.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 37, 48) }
```

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

```
.background{ background-color: rgb(134, 37,  
48) }
```

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