

Converting Colors

CIELCh(31, 57.649, 41.432)

Have a look what the booklet for
CIELCh(31, 57.649, 41.432) contains.

CIELCh(31, 57.609, 41.560)	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, 57.609, 41.560)

Conversions

Conversions Part 1	
Format	Color
Hex	8B220D
RGB	139, 34, 13
RGB Percent	55%, 13%, 5%
CMY	0.4552, 0.8669, 0.9492
CMYK	0.00, 0.76, 0.91, 0.46
HSL	10°, 83%, 30%
HSV	10°, 91%, 54%
XYZ	11.2773, 6.6515, 1.0683
YIQ	63.0010, 69.3210, 15.7290

Conversions

Conversions Part 2

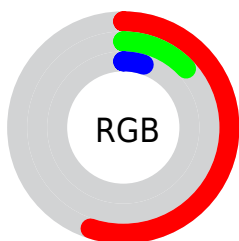
Format	Color
RYB	139, 38, 13
Decimal	9118221
CIELab	31.00, 43.11, 38.22
CIELCh	31, 57.609, 41.560
Yxy	6.6515, 0.5936, 0.3501
Android (android.graphics.Color)	4287308301 (0xFF8B220D)
YUV	63.0010, -24.6505, 66.6511
Hunter-Lab	25.7905, 32.9186, 15.5974

Details

The CIELCh color **31, 57.609, 41.560** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **45, 27.124, 224.899**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 57.468, 41.816**, and **14, 40.789, 32.108** is the 20% darker color. If you saturate the color by 10%, you get **30, 62.968, 42.518**, and if you desaturate by 10%, it is **33, 50.771, 40.320**.

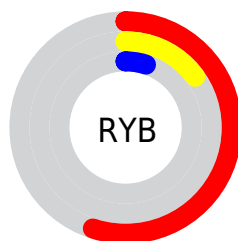
Distribution



Red (55%)

Green (13%)

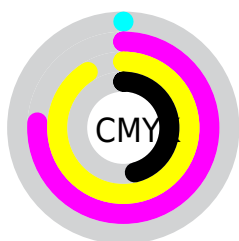
Blue (5%)



Red (55%)

Yellow (15%)

Blue (5%)

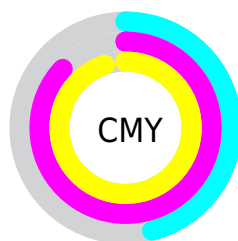


Cyan (0%)

Magenta (76%)

Yellow (91%)

Black (46%)



Cyan (46%)

Magenta (87%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 57.609, 41.560 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, 57.609, 41.560 by changing the saturation by 10% instead.

 31, 57.609, 41.560

 31, 57.609, 41.560

 100, 57.609,
41.560

 21, 57.609, 41.560

 51, 57.609, 41.560

 11, 57.609, 41.560

 61, 57.609, 41.560

 1, 57.609, 41.560

 71, 57.609, 41.560

 0, 57.609, 41.560

 81, 57.609, 41.560

 91, 57.609, 41.560

 31, 57.609, 41.560

 31, 57.609, 41.560

 30, 62.968, 42.518

 33, 50.771, 40.320

 35, 43.435, 38.988

 38, 36.130, 37.845

 41, 29.103, 36.965

 44, 22.470, 36.340

 47, 16.278, 35.933

 51, 10.536, 35.697

 54, 5.226, 35.575

 58, 0.320, 34.369

Harmonies

Complementary

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



31, 57.609, 41.560



45, 27.124, 224.899

Rectangle

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



31, 57.609, 41.560



31, 57.609, 91.560



31, 57.609, 221.560



31, 57.609, 271.560

Sweetspot

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



31, 57.607, 41.562



62, 17.558, 35.844



32, 64.112, 334.431



31, 12.069, 35.929



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, 57.607, 41.562



39, 77.715, 42.593



44, 49.556, 76.749



27, 2.724, 35.559



28, 60.549, 42.374



0, 1.223, 35.677

Inverse Universe

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



45, 27.124, 224.899



57, 33.669, 228.221



26, 53.122, 291.547



28, 2.575, 215.890



43, 26.792, 227.293



1, 1.223, 215.697

Previews

White Background



This preview shows how the CIELCh color 31, 57.609, 41.560 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, 57.609, 41.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

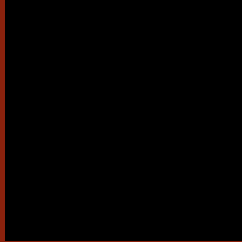
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 57.609, 41.560

Background



This preview shows how black text looks on a background with the CIELCh color 31, 57.609, 41.560.



This preview shows how white text looks on a background with the CIELCh color 31, 57.609, 41.560.

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, 57.609, 41.560

Protanopia

32, 31.332, 95.896

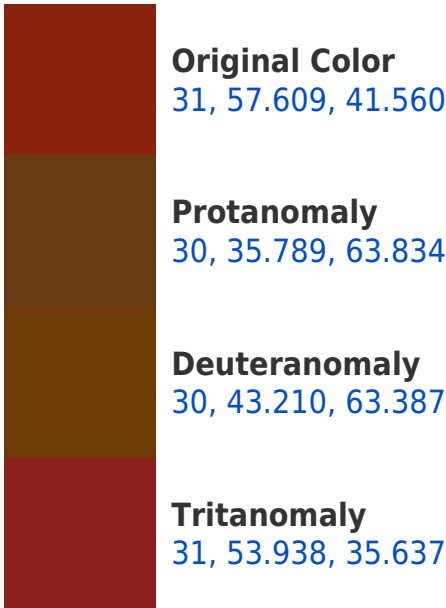
Deuteranopia

32, 40.694, 85.306



Tritanopia
31, 52.122, 31.435

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 31, 57.609, 41.560 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(139, 34, 13)` looks like.

```
.text, #text, p{  
    color:rgb(139, 34, 13)  
}
```

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(139, 34, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 34, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 57.609, 41.560 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(139, 34, 13) }
```

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

```
.border{ border-color:rgb(139, 34, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 34, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 34, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 34, 13);  
box-shadow:4px 4px 4px 4px rgb(139, 34,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 57.609, 41.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 34, 13) }
```

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

```
.background{ background-color: rgb(139, 34,  
13) }
```

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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