

Converting Colors

CIELCh(34, 46.897, 42.091)

Have a look what the booklet for
CIELCh(34, 46.897, 42.091) contains.

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Color

CIELCh(34, 47.221, 42.226)

Conversions

Conversions Part 1

Format	Color
Hex	8A351F
RGB	138, 53, 31
RGB Percent	54%, 21%, 12%
CMY	0.4598, 0.7929, 0.8791
CMYK	0.00, 0.62, 0.78, 0.46
HSL	12°, 63%, 33%
HSV	12°, 78%, 54%
XYZ	11.9501, 8.0082, 2.1998
YIQ	75.9070, 57.7220, 11.1780

Conversions

Conversions Part 2

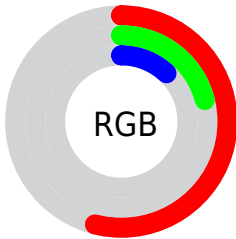
Format	Color
R_{YB}	138, 59, 31
Decimal	9057567
CIE _{Lab}	34.00, 34.97, 31.74
CIE _{LCh}	34, 47.221, 42.226
Yxy	8.0082, 0.5393, 0.3614
Android (android.graphics.Color)	4287247647 (0xFF8A351F)
YUV	75.9070, -22.1392, 54.4556
Hunter-Lab	28.2988, 25.8544, 15.2003

Details

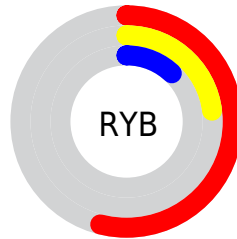
The CIELCh color **34, 47.221, 42.226** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **45, 25.464, 228.711**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 47.455, 42.404**, and **14, 41.240, 32.339** is the 20% darker color. If you saturate the color by 10%, you get **32, 54.200, 43.070**, and if you desaturate by 10%, it is **36, 39.993, 41.359**.

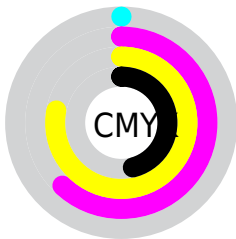
Distribution



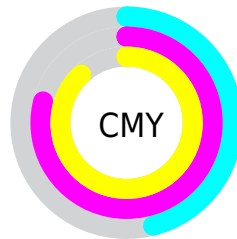
- Red (54%)
- Green (21%)
- Blue (12%)



- Red (54%)
- Yellow (23%)
- Blue (12%)



- Cyan (0%)
- Magenta (62%)
- Yellow (78%)
- Black (46%)



- Cyan (46%)
- Magenta (79%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 47.221, 42.226 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 34, 47.221, 42.226 by changing the saturation by 10% instead.

■ 34, 47.221, 42.226

■ 34, 47.221, 42.226

■ 100, 47.221,
42.226

■ 24, 47.221, 42.226

■ 54, 47.221, 42.226

■ 14, 47.221, 42.226

■ 64, 47.221, 42.226

■ 4, 47.221, 42.226

■ 74, 47.221, 42.226

■ 0, 47.221, 42.226

■ 84, 47.221, 42.226

■ 94, 47.221, 42.226

■ 34, 47.221, 42.226

■ 34, 47.221, 42.226

■ 32, 54.200, 43.070

■ 36, 39.993, 41.359

30, 60.289, 43.638

39, 32.926, 40.654

30, 61.635, 43.834

42, 26.200, 40.162

45, 19.893, 39.873

48, 14.028, 39.755

51, 8.597, 39.769

55, 3.575, 39.844

58, 1.073, 220.568

62, 5.382, 220.549

Harmonies

Complementary

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



34, 47.221, 42.226



45, 25.464, 228.711

Rectangle

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



34, 47.221, 42.226



34, 47.221, 92.226



34, 47.221, 222.226



34, 47.221, 272.226

Sweetspot

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



34, 47.219, 42.229



63, 14.191, 39.747



33, 57.753, 335.819



31, 9.910, 39.751



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



34, 47.219, 42.229



40, 71.015, 43.402



47, 44.733, 83.452



27, 2.660, 39.836



29, 59.693, 43.749



1, 1.195, 40.116

Inverse Universe

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



45, 25.464, 228.711



55, 33.092, 234.055



29, 48.114, 290.203



28, 2.519, 220.493



41, 27.037, 235.563



1, 1.195, 220.136

Previews

White Background



This preview shows how the CIELCh color 34, 47.221, 42.226 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 34, 47.221, 42.226 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 34, 47.221, 42.226

Background



This preview shows how black text looks on a background with the CIELCh color 34, 47.221, 42.226.

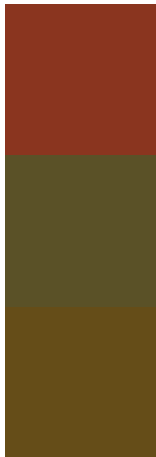


This preview shows how white text looks on a background with the CIELCh color 34, 47.221, 42.226.

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

34, 47.221, 42.226

Protanopia

34, 25.922, 95.691

Deuteranopia

34, 34.122, 83.086



Tritanopia
34, 42.305, 25.730

Trichromacy



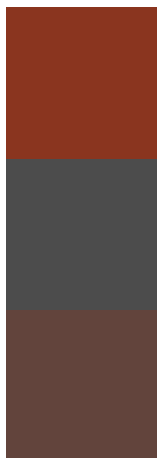
Original Color
34, 47.221, 42.226

Protanomaly
33, 29.259, 66.834

Deuteranomaly
34, 36.382, 63.898

Tritanomaly
34, 43.871, 32.299

Monochromacy



Original Color
34, 47.221, 42.226

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 15.437, 40.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 47.221, 42.226 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(138, 53, 31)` looks like.

```
.text, #text, p{  
    color:rgb(138, 53, 31)  
}
```

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(138, 53, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 53, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 47.221, 42.226 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(138, 53, 31) }
```

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

```
.border{ border-color:rgb(138, 53, 31) }
```

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

Here you see how a box with a 4 pixel rgb(138, 53, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 53, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 53, 31);  
box-shadow:4px 4px 4px 4px rgb(138, 53,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 47.221, 42.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 53, 31) }
```

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

```
.background{ background-color: rgb(138, 53,  
31) }
```

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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