

Converting Colors

CIELCh(34, 47.752, 13.393)

Have a look what the booklet for
CIELCh(34, 47.752, 13.393) contains.

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Color

CIELCh(34, 47.740, 13.231)

Conversions

Conversions Part 1

Format	Color
Hex	932741
RGB	147, 39, 65
RGB Percent	58%, 15%, 25%
CMY	0.4242, 0.8477, 0.7456
CMYK	0.00, 0.74, 0.56, 0.42
HSL	346°, 58%, 36%
HSV	346°, 74%, 58%
XYZ	13.6736, 8.0082, 5.8065
YIQ	74.2560, 56.0220, 30.9820

Conversions

Conversions Part 2

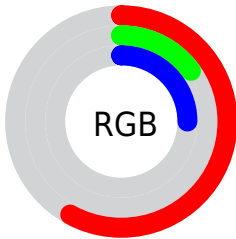
Format	Color
R_{YB}	147, 39, 65
Decimal	9643841
CIE _{Lab}	34.00, 46.47, 10.93
CIE _{LCh}	34, 47.740, 13.231
Yxy	8.0082, 0.4974, 0.2913
Android (android.graphics.Color)	4287833921 (0xFF932741)
YUV	74.2560, -4.5632, 63.7965
Hunter-Lab	28.2988, 36.7258, 7.6437

Details

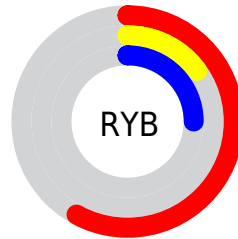
The CIELCh color **34, 47.740, 13.231** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **55, 36.762, 171.898**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 47.455, 12.917**, and **17, 40.867, 20.473** is the 20% darker color. If you saturate the color by 10%, you get **32, 52.767, 17.178**, and if you desaturate by 10%, it is **37, 41.889, 10.076**.

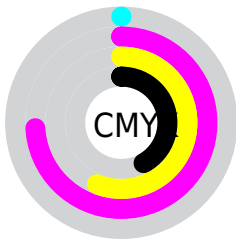
Distribution



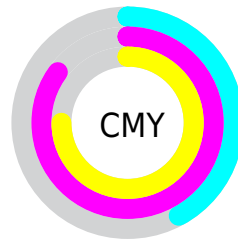
- Red (58%)
- Green (15%)
- Blue (25%)



- Red (58%)
- Yellow (15%)
- Blue (25%)



- Cyan (0%)
- Magenta (74%)
- Yellow (56%)
- Black (42%)



- Cyan (42%)
- Magenta (85%)
- Yellow (75%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 47.740, 13.231 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, 47.740, 13.231 by changing the saturation by 10% instead.

 34, 47.740, 13.231

 34, 47.740, 13.231

 100, 47.740,
13.231

 24, 47.740, 13.231

 54, 47.740, 13.231

 14, 47.740, 13.231

 64, 47.740, 13.231

 4, 47.740, 13.231

 74, 47.740, 13.231

 0, 47.740, 13.231

 84, 47.740, 13.231

 94, 47.740, 13.231

 34, 47.740, 13.231

 34, 47.740, 13.231

 32, 52.767, 17.178

 37, 41.889, 10.076

31, 56.928, 21.956

40, 35.439, 7.568

30, 59.531, 25.085

43, 28.659, 5.561

47, 21.793, 3.929

51, 15.021, 2.575

55, 8.458, 1.419

59, 2.165, 0.309

64, 3.832, 179.748

68, 9.531, 178.938

Harmonies

Complementary

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



34, 47.740, 13.231



55, 36.762, 171.898

Rectangle

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



34, 47.740, 13.231



34, 47.740, 63.231



34, 47.740, 193.231



34, 47.740, 243.231

Sweetspot

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



34, 47.737, 13.233



66, 17.371, 2.440



33, 66.854, 319.798



33, 11.822, 2.742



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 47.737, 13.233



41, 67.419, 20.083



38, 45.626, 44.997



29, 3.513, 0.956



28, 56.671, 24.722



1, 3.009, 0.172

Inverse Universe

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



34, 47.737, 13.233



41, 67.419, 20.083



47, 26.248, 235.554



29, 3.513, 0.956



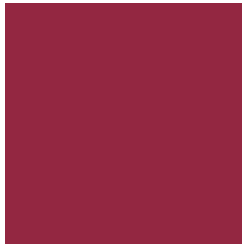
28, 56.671, 24.722



1, 3.009, 0.172

Previews

White Background



This preview shows how the CIELCh color 34, 47.740, 13.231 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, 47.740, 13.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

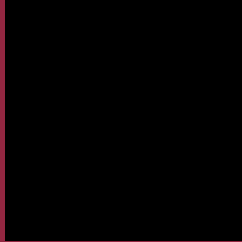
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 47.740, 13.231

Background



This preview shows how black text looks on a background with the CIELCh color 34, 47.740, 13.231.



This preview shows how white text looks on a background with the CIELCh color 34, 47.740, 13.231.

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, 47.740, 13.231

Protanopia

35, 2.505, 290.616

Deuteranopia

35, 14.267, 71.076



Tritanopia
34, 49.250, 28.752

Trichromacy



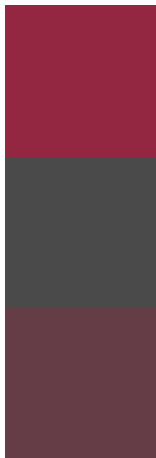
Original Color
34, 47.740, 13.231

Protanomaly
33, 18.763, 359.452

Deuteranomaly
33, 23.991, 26.460

Tritanomaly
34, 48.326, 23.197

Monochromacy



Original Color
34, 47.740, 13.231

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 18.662, 3.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 47.740, 13.231 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(147, 39, 65)` looks like.

```
.text, #text, p{  
    color:rgb(147, 39, 65)  
}
```

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(147, 39, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 39, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 47.740, 13.231 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(147, 39, 65) }
```

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

```
.border{ border-color:rgb(147, 39, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 39, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 39, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 39, 65);  
box-shadow:4px 4px 4px 4px rgb(147, 39,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 47.740, 13.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 39, 65) }
```

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

```
.background{ background-color: rgb(147, 39,  
65) }
```

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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