

Converting Colors

CIELCh(34, 50.634, 11.405)

Have a look what the booklet for
CIELCh(34, 50.634, 11.405) contains.

CIELCh(34, 50.618, 11.584)	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(34, 50.618, 11.584)

Conversions

Conversions Part 1

Format	Color
Hex	962142
RGB	150, 33, 66
RGB Percent	59%, 13%, 26%
CMY	0.4107, 0.8694, 0.7404
CMYK	0.00, 0.78, 0.56, 0.41
HSL	343°, 64%, 36%
HSV	343°, 78%, 59%
XYZ	14.1670, 8.0082, 5.9847
YIQ	71.7450, 59.1390, 35.0670

Conversions

Conversions Part 2

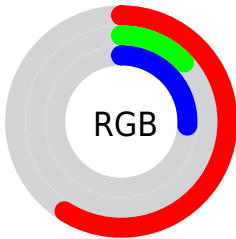
Format	Color
RYB	150, 33, 66
Decimal	9838914
CIELab	34.00, 49.59, 10.16
CIELCh	34, 50.618, 11.584
Yxy	8.0082, 0.5031, 0.2844
Android (android.graphics.Color)	4288028994 (0xFF962142)
YUV	71.7450, -2.8323, 68.6296
Hunter-Lab	28.2988, 39.8382, 7.2704

Details

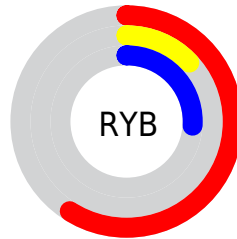
The CIELCh color **34, 50.618, 11.584** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **56, 40.425, 167.927**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 50.623, 11.366**, and **17, 41.821, 20.535** is the 20% darker color. If you saturate the color by 10%, you get **32, 54.952, 15.801**, and if you desaturate by 10%, it is **36, 45.284, 8.207**.

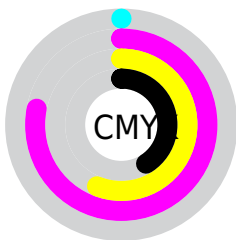
Distribution



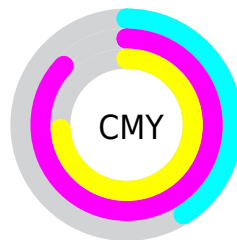
- Red (59%)
- Green (13%)
- Blue (26%)



- Red (59%)
- Yellow (13%)
- Blue (26%)



- Cyan (0%)
- Magenta (78%)
- Yellow (56%)
- Black (41%)



- Cyan (41%)
- Magenta (87%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 50.618, 11.584 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, 50.618, 11.584 by changing the saturation by 10% instead.

 34, 50.618, 11.584

 34, 50.618, 11.584

 100, 50.618,
11.584

 24, 50.618, 11.584

 54, 50.618, 11.584

 14, 50.618, 11.584

 64, 50.618, 11.584

 4, 50.618, 11.584

 74, 50.618, 11.584

 0, 50.618, 11.584

 84, 50.618, 11.584

 94, 50.618, 11.584

 34, 50.618, 11.584

 34, 50.618, 11.584

 32, 54.952, 15.801

 36, 45.284, 8.207

31, 58.501, 20.731

39, 39.129, 5.526

31, 59.307, 21.758

43, 32.434, 3.385

46, 25.482, 1.648

50, 18.501, 0.209

54, 11.647,
358.989

59, 5.016, 357.909

63, 1.344, 177.374

68, 7.417, 176.337

Harmonies

Complementary

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



34, 50.618, 11.584



56, 40.425, 167.927

Rectangle

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



34, 50.618, 11.584



34, 50.618, 61.584



34, 50.618, 191.584



34, 50.618, 241.584

Sweetspot

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



34, 50.615, 11.586



67, 18.868, 359.653



32, 70.939, 318.757



34, 13.238, 0.077



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



34, 50.615, 11.586



42, 69.999, 19.299



37, 50.637, 42.999



29, 3.577, 358.051



28, 55.502, 21.267



1, 3.070, 357.262

Inverse Universe

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



34, 50.615, 11.586



42, 69.999, 19.299



48, 27.284, 230.924



29, 3.577, 358.051



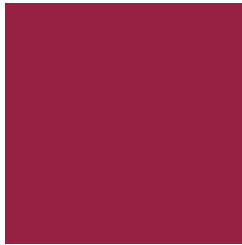
28, 55.502, 21.267



1, 3.070, 357.262

Previews

White Background



This preview shows how the CIELCh color 34, 50.618, 11.584 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, 50.618, 11.584 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, 50.618, 11.584

Background



This preview shows how black text looks on a background with the CIELCh color 34, 50.618, 11.584.



This preview shows how white text looks on a background with the CIELCh color 34, 50.618, 11.584.

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, 50.618, 11.584

Protanopia

35, 5.637, 286.956

Deuteranopia

35, 13.757, 69.714



Tritanopia
34, 52.579, 29.951

Trichromacy



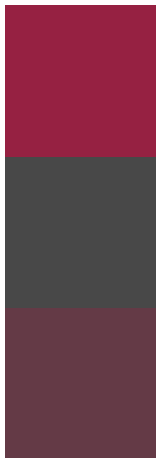
Original Color
34, 50.618, 11.584

Protanomaly
33, 21.034, 353.191

Deuteranomaly
33, 25.598, 22.684

Tritanomaly
34, 51.057, 23.585

Monochromacy



Original Color
34, 50.618, 11.584

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 20.320, 1.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 50.618, 11.584 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(150, 33, 66)` looks like.

```
.text, #text, p{  
    color:rgb(150, 33, 66)  
}
```

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(150, 33, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 33, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 50.618, 11.584 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(150, 33, 66) }
```

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

```
.border{ border-color:rgb(150, 33, 66) }
```

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

Here you see how a box with a 4 pixel rgb(150, 33, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 33, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 33, 66);  
box-shadow:4px 4px 4px 4px rgb(150, 33,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 50.618, 11.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 33, 66) }
```

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

```
.background{ background-color: rgb(150, 33,  
66) }
```

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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