

Converting Colors

CIELCh(35, 52.111, 30.569)

Have a look what the booklet for
CIELCh(35, 52.111, 30.569) contains.

CIELCh(35, 51.908, 30.406)	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(35, 51.908, 30.406)

Conversions

Conversions Part 1

Format	Color
Hex	972B2B
RGB	151, 43, 43
RGB Percent	59%, 17%, 17%
CMY	0.4075, 0.8310, 0.8311
CMYK	0.00, 0.71, 0.71, 0.41
HSL	0°, 56%, 38%
HSV	0°, 71%, 59%
XYZ	14.0857, 8.4984, 3.1905
YIQ	75.2920, 64.3680, 22.8960

Conversions

Conversions Part 2

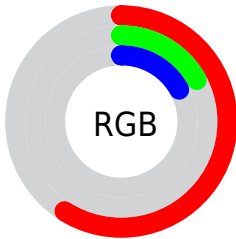
Format	Color
R_{YB}	151, 43, 43
Decimal	9906987
CIE _{Lab}	35.00, 44.77, 26.27
CIE _{LCh}	35, 51.908, 30.406
Yxy	8.4984, 0.5465, 0.3297
Android (android.graphics.Color)	4288097067 (0xFF972B2B)
YUV	75.2920, -15.9200, 66.3959
Hunter-Lab	29.1520, 35.2320, 13.9174

Details

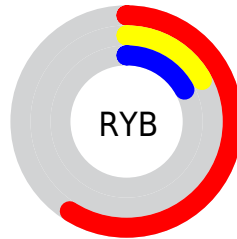
The CIELCh color **35, 51.908, 30.406** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 30.512, 196.704**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 51.895, 30.253**, and **17, 46.587, 34.657** is the 20% darker color. If you saturate the color by 10%, you get **33, 59.420, 33.793**, and if you desaturate by 10%, it is **38, 43.973, 27.516**.

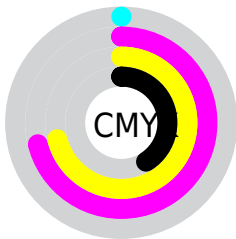
Distribution



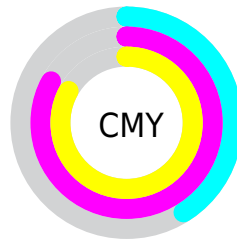
- Red (59%)
- Green (17%)
- Blue (17%)



- Red (59%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (71%)
- Yellow (71%)
- Black (41%)



- Cyan (41%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 51.908, 30.406 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 35, 51.908, 30.406 by changing the saturation by 10% instead.

■ 35, 51.908, 30.406

■ 35, 51.908, 30.406

■ 100, 51.908,
30.406

■ 25, 51.908, 30.406

■ 55, 51.908, 30.406

■ 15, 51.908, 30.406

■ 65, 51.908, 30.406

■ 5, 51.908, 30.406

■ 75, 51.908, 30.406

■ 0, 51.908, 30.406

■ 85, 51.908, 30.406

■ 95, 51.908, 30.406

■ 35, 51.908, 30.406

■ 35, 51.908, 30.406

■ 33, 59.420, 33.793

■ 38, 43.973, 27.516

■ 32, 65.887, 37.201

■ 41, 35.965, 25.202

■ 31, 70.221, 39.471

■ 45, 28.127, 23.403

■ 49, 20.627, 22.016

■ 53, 13.565, 20.943

■ 57, 6.981, 20.091

■ 62, 0.873, 19.002

■ 66, 4.784, 199.105

■ 71, 10.029,
198.654

Harmonies

Complementary

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



35, 51.908, 30.406



57, 30.512, 196.704

Rectangle

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



35, 51.908, 30.406



35, 51.908, 80.406



35, 51.908, 210.406



35, 51.908, 260.406

Sweetspot

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



35, 51.906, 30.409



68, 16.404, 20.936



39, 67.691, 327.765



34, 11.298, 21.182



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



35, 51.906, 30.409



42, 77.238, 35.967



46, 42.283, 66.501



30, 3.438, 19.916



28, 66.109, 39.054



1, 3.595, 19.425

Inverse Universe

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



57, 30.512, 196.704



72, 40.059, 196.496



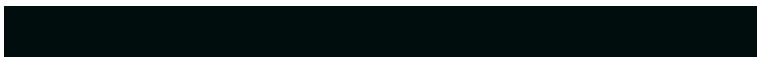
40, 34.743, 271.459



32, 3.249, 199.021



53, 32.108, 196.424



3, 3.594, 199.445

Previews

White Background



This preview shows how the CIELCh color 35, 51.908, 30.406 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 35, 51.908, 30.406 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 35, 51.908, 30.406

Background



This preview shows how black text looks on a background with the CIELCh color 35, 51.908, 30.406.

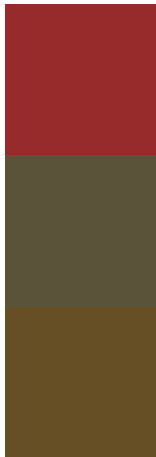


This preview shows how white text looks on a background with the CIELCh color 35, 51.908, 30.406.

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

35, 51.908, 30.406

Protanopia

35, 16.373, 95.652

Deuteranopia

35, 28.626, 80.428



Tritanopia
35, 51.403, 29.192

Trichromacy



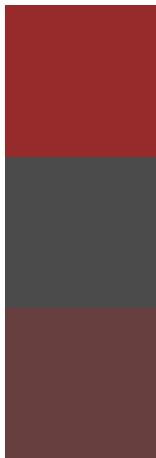
Original Color
35, 51.908, 30.406

Protanomaly
34, 24.551, 45.879

Deuteranomaly
34, 33.502, 51.732

Tritanomaly
35, 51.653, 29.804

Monochromacy



Original Color
35, 51.908, 30.406

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 18.965, 22.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 51.908, 30.406 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(151, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(151, 43, 43)  
}
```

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(151, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 43, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 51.908, 30.406 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(151, 43, 43) }
```

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

```
.border{ border-color:rgb(151, 43, 43) }
```

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

Here you see how a box with a 4 pixel rgb(151, 43, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(151, 43,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 51.908, 30.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 43, 43) }
```

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

```
.background{ background-color: rgb(151, 43,  
43) }
```

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