

Converting Colors

CIELCh(34, 53.648, 12.865)

Have a look what the booklet for
CIELCh(34, 53.648, 12.865) contains.

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Color

CIELCh(34, 53.691, 12.658)

Conversions

Conversions Part 1

Format	Color
Hex	9A1B40
RGB	154, 27, 64
RGB Percent	60%, 11%, 25%
CMY	0.3965, 0.8945, 0.7493
CMYK	0.00, 0.83, 0.58, 0.40
HSL	343°, 70%, 35%
HSV	343°, 83%, 60%
XYZ	14.6205, 8.0082, 5.6146
YIQ	69.1910, 63.8150, 38.4310

Conversions

Conversions Part 2

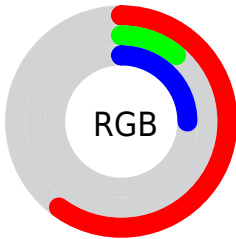
Format	Color
RYB	154, 27, 64
Decimal	10099520
CIELab	34.00, 52.39, 11.77
CIELCh	34, 53.691, 12.658
Yxy	8.0082, 0.5177, 0.2835
Android (android.graphics.Color)	4288289600 (0xFF9A1B40)
YUV	69.1910, -2.5592, 74.3775
Hunter-Lab	28.2988, 42.6987, 8.0459

Details

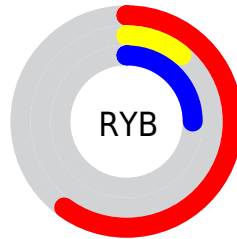
The CIELCh color **34, 53.691, 12.658** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **57, 43.141, 166.272**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 53.782, 13.050**, and **18, 43.401, 23.213** is the 20% darker color. If you saturate the color by 10%, you get **33, 57.513, 17.275**, and if you desaturate by 10%, it is **36, 48.813, 8.920**.

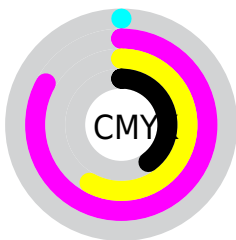
Distribution



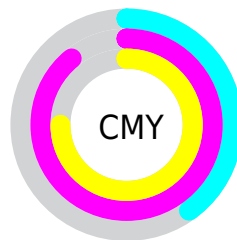
- Red (60%)
- Green (11%)
- Blue (25%)



- Red (60%)
- Yellow (11%)
- Blue (25%)



- Cyan (0%)
- Magenta (83%)
- Yellow (58%)
- Black (40%)



- Cyan (40%)
- Magenta (89%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 53.691, 12.658 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, 53.691, 12.658 by changing the saturation by 10% instead.

■ 34, 53.691, 12.658

■ 34, 53.691, 12.658

■ 100, 53.691,
12.658

■ 24, 53.691, 12.658

■ 54, 53.691, 12.658

■ 14, 53.691, 12.658

■ 64, 53.691, 12.658

■ 4, 53.691, 12.658

■ 74, 53.691, 12.658

■ 0, 53.691, 12.658

■ 84, 53.691, 12.658

■ 94, 53.691, 12.658

■ 34, 53.691, 12.658

■ 34, 53.691, 12.658

■ 33, 57.513, 17.275

■ 36, 48.813, 8.920

32, 60.103, 20.978

39, 42.962, 5.950

42, 36.391, 3.589

46, 29.405, 1.688

50, 22.273, 0.128

54, 15.192,
358.818

58, 8.291, 357.687

62, 1.641, 356.531

67, 4.726, 176.009

Harmonies

Complementary

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



34, 53.691, 12.658



57, 43.141, 166.272

Rectangle

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



34, 53.691, 12.658



34, 53.691, 62.658



34, 53.691, 192.658



34, 53.691, 242.658

Sweetspot

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



34, 53.688, 12.660



67, 20.882, 359.183



31, 75.143, 318.183



33, 14.280, 359.600



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, 53.688, 12.660



42, 72.746, 21.666



37, 55.751, 42.428



30, 3.697, 357.336



29, 56.013, 20.467



1, 3.914, 356.885

Inverse Universe

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



34, 53.688, 12.660



42, 72.746, 21.666



50, 28.435, 229.234



30, 3.697, 357.336



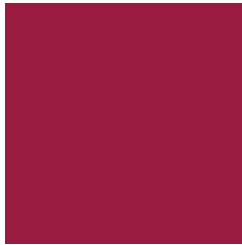
29, 56.013, 20.467



1, 3.914, 356.885

Previews

White Background



This preview shows how the CIE LCh color 34, 53.691, 12.658 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, 53.691, 12.658 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, 53.691, 12.658

Background



This preview shows how black text looks on a background with the CIELCh color 34, 53.691, 12.658.



This preview shows how white text looks on a background with the CIELCh color 34, 53.691, 12.658.

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, 53.691, 12.658

Protanopia

35, 5.004, 291.028

Deuteranopia

35, 15.607, 72.058



Tritanopia
34, 56.803, 32.290

Trichromacy



Original Color
34, 53.691, 12.658

Protanomaly
32, 23.460, 353.777

Deuteranomaly
32, 28.166, 23.442

Tritanomaly
34, 54.721, 25.209

Monochromacy



Original Color
34, 53.691, 12.658

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 22.297, 2.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 53.691, 12.658 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(154, 27, 64)` looks like.

```
.text, #text, p{  
    color:rgb(154, 27, 64)  
}
```

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(154, 27, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 27, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 53.691, 12.658 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(154, 27, 64) }
```

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

```
.border{ border-color:rgb(154, 27, 64) }
```

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

Here you see how a box with a 4 pixel rgb(154, 27, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 27, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 27, 64);  
box-shadow:4px 4px 4px 4px rgb(154, 27,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 53.691, 12.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 27, 64) }
```

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

```
.background{ background-color: rgb(154, 27,  
64) }
```

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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