

Converting Colors

CIELCh(34, 68.961, 36.897)

Have a look what the booklet for
CIELCh(34, 68.961, 36.897) contains.

CIELCh(34, 68.951, 36.813)	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, 68.951, 36.813)

Conversions

Conversions Part 1

Format	Color
Hex	A20E10
RGB	162, 14, 16
RGB Percent	64%, 5%, 6%
CMY	0.3660, 0.9434, 0.9382
CMYK	0.00, 0.91, 0.90, 0.37
HSL	359°, 84%, 35%
HSV	359°, 91%, 63%
XYZ	15.0864, 8.0082, 1.2313
YIQ	58.4800, 87.5660, 31.9980

Conversions

Conversions Part 2

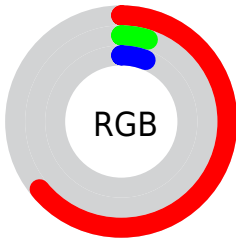
Format	Color
RYB	162, 14, 16
Decimal	10620432
CIELab	34.00, 55.20, 41.32
CIELCh	34, 68.951, 36.813
Yxy	8.0082, 0.6202, 0.3292
Android (android.graphics.Color)	4288810512 (0xFFA20E10)
YUV	58.4800, -20.9426, 90.7870
Hunter-Lab	28.2988, 45.6373, 17.2295

Details

The CIELCh color **34, 68.951, 36.813** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **60, 35.254, 195.182**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 69.101, 36.767**, and **19, 50.072, 35.830** is the 20% darker color. If you saturate the color by 10%, you get **33, 73.734, 39.386**, and if you desaturate by 10%, it is **35, 62.136, 33.269**.

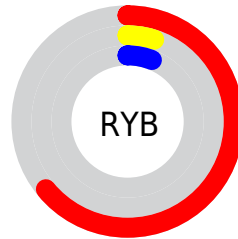
Distribution



Red (64%)

Green (5%)

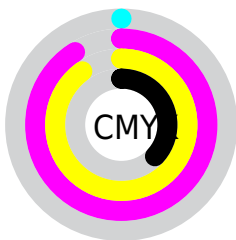
Blue (6%)



Red (64%)

Yellow (5%)

Blue (6%)

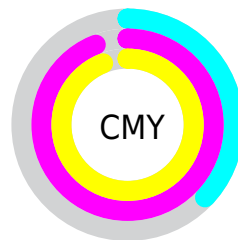


Cyan (0%)

Magenta (91%)

Yellow (90%)

Black (37%)



Cyan (37%)

Magenta (94%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 68.951, 36.813 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, 68.951, 36.813 by changing the saturation by 10% instead.

 34, 68.951, 36.813

 34, 68.951, 36.813

 100, 68.951,
36.813

 24, 68.951, 36.813

 54, 68.951, 36.813

 14, 68.951, 36.813

 64, 68.951, 36.813

 4, 68.951, 36.813

 74, 68.951, 36.813

 0, 68.951, 36.813

 84, 68.951, 36.813

 94, 68.951, 36.813

 34, 68.951, 36.813

 34, 68.951, 36.813

 33, 73.734, 39.386

 35, 62.136, 33.269

■ 38, 54.272, 29.806

■ 41, 45.968, 26.867

■ 44, 37.571, 24.521

■ 48, 29.340, 22.697

■ 52, 21.457, 21.289

■ 57, 14.027, 20.195

■ 61, 7.095, 19.321

■ 66, 0.661, 18.015

Harmonies

Complementary

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



34, 68.951, 36.813



60, 35.254, 195.182

Rectangle

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



34, 68.951, 36.813



34, 68.951, 86.813



34, 68.951, 216.813



34, 68.951, 266.813

Sweetspot

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



34, 68.948, 36.815



68, 22.698, 20.867



38, 80.295, 327.544



34, 15.439, 21.239



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



34, 68.948, 36.815



44, 89.644, 39.682



45, 56.653, 61.585



32, 3.629, 19.177



30, 67.747, 38.910



1, 5.465, 18.729

Inverse Universe

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



34, 68.948, 36.815



44, 89.644, 39.682



38, 44.876, 277.943



32, 3.629, 19.177



30, 67.747, 38.910



1, 5.465, 18.729

Previews

White Background



This preview shows how the CIELCh color 34, 68.951, 36.813 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 34, 68.951, 36.813 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, 68.951, 36.813

Background



This preview shows how black text looks on a background with the CIELCh color 34, 68.951, 36.813.



This preview shows how white text looks on a background with the CIELCh color 34, 68.951, 36.813.

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, 69.056, 36.702

Protanopia

35, 31.310, 95.470

Deuteranopia

35, 43.555, 84.593



Tritanopia
34, 71.150, 39.286

Trichromacy



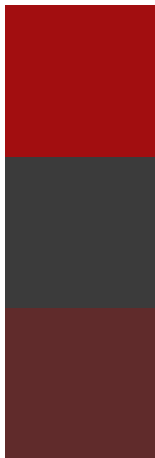
Original Color
34, 69.056, 36.702

Protanomaly
31, 39.113, 52.488

Deuteranomaly
32, 49.228, 55.598

Tritanomaly
34, 70.436, 38.519

Monochromacy



Original Color
34, 69.056, 36.702

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 26.658, 25.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 68.951, 36.813 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(162, 14, 16)` looks like.

```
.text, #text, p{  
    color:rgb(162, 14, 16)  
}
```

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(162, 14, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 14, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 68.951, 36.813 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(162, 14, 16) }
```

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

```
.border{ border-color:rgb(162, 14, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 14, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 14, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 14, 16);  
box-shadow:4px 4px 4px 4px rgb(162, 14,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 68.951, 36.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 14, 16) }
```

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

```
.background{ background-color: rgb(162, 14,  
16) }
```

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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