

Converting Colors

CIELCh(34, 60.242, 359.949)

Have a look what the booklet for
CIELCh(34, 60.242, 359.949)
contains.

CIELCh(34, 60.010, 0.321)	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, 60.010, 0.321)

Conversions

Conversions Part 1

Format	Color
Hex	A00052
RGB	160, 0, 82
RGB Percent	63%, 0%, 32%
CMY	0.3743, 1.0000, 0.6799
CMYK	0.00, 1.00, 0.49, 0.37
HSL	329°, 100%, 31%
HSV	329°, 100%, 63%
XYZ	15.9044, 8.0082, 8.6180
YIQ	57.1880, 69.0380, 59.4220

Conversions

Conversions Part 2

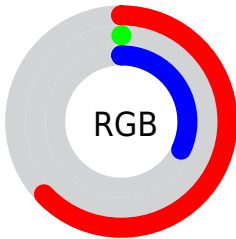
Format	Color
R_{YB}	160, 0, 82
Decimal	10485842
CIE _{Lab}	34.00, 60.01, 0.34
CIE _{LCh}	34, 60.010, 0.321
Yxy	8.0082, 0.4889, 0.2462
Android (android.graphics.Color)	4288675922 (0xFFA00052)
YUV	57.1880, 12.2323, 90.1661
Hunter-Lab	28.2988, 50.7972, 1.7533

Details

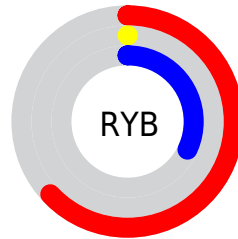
The CIELCh color **34, 60.010, 0.321** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **58, 63.106, 148.842**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 60.074, 0.467**, and **20, 43.230, 11.037** is the 20% darker color. If you saturate the color by 10%, you get **34, 59.876, 0.386**, and if you desaturate by 10%, it is **35, 58.462, 356.877**.

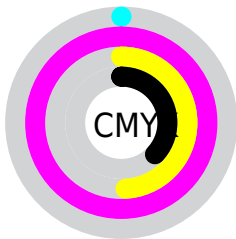
Distribution



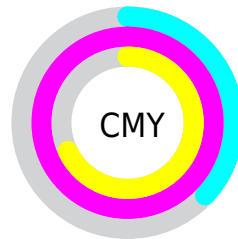
- Red (63%)
- Green (0%)
- Blue (32%)



- Red (63%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (37%)



- Cyan (37%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 60.010, 0.321 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, 60.010, 0.321 by changing the saturation by 10% instead.

 34, 60.010, 0.321  34, 60.010, 0.321

 100, 60.010, 0.321  24, 60.010, 0.321

 54, 60.010, 0.321  14, 60.010, 0.321



 64, 60.010, 0.321  4, 60.010, 0.321

 74, 60.010, 0.321  0, 60.010, 0.321

 84, 60.010, 0.321

 94, 60.010, 0.321

 34, 60.010, 0.321  34, 60.010, 0.321

 34, 59.876, 0.386  35, 58.462,
356.877

■ 37, 55.801,
353.934

■ 39, 51.472,
351.595

■ 42, 45.710,
349.711

■ 45, 38.891,
348.160

■ 49, 31.398,
346.849

■ 53, 23.559,
345.714

■ 57, 15.615,
344.709

■ 61, 7.729, 343.794

Harmonies

Complementary

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



34, 60.010, 0.321



58, 63.106, 148.842

Rectangle

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



34, 60.010, 0.321



34, 60.010, 50.321



34, 60.010, 180.321



34, 60.010, 230.321

Sweetspot

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



34, 59.876, 0.386



67, 29.077, 345.774



24, 88.090, 311.651



33, 20.007, 346.210



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, 59.876, 0.386



45, 72.400, 1.238



33, 72.672, 39.029



31, 4.334, 343.726



30, 55.263, 359.961



1, 5.509, 344.445

Inverse Universe

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



34, 59.876, 0.386



45, 72.400, 1.238



59, 35.734, 193.888



31, 4.334, 343.726



30, 55.263, 359.961



1, 5.509, 344.445

Previews

White Background



This preview shows how the CIELCh color 34, 60.010, 0.321 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, 60.010, 0.321 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, 60.010, 0.321

Background



This preview shows how black text looks on a background with the CIELCh color 34, 60.010, 0.321.



This preview shows how white text looks on a background with the CIELCh color 34, 60.010, 0.321.

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, 60.010, 0.321

Protanopia

35, 22.551, 284.988

Deuteranopia

35, 7.061, 46.127



Tritanopia
35, 59.633, 32.735

Trichromacy



Original Color
34, 60.010, 0.321

Protanomaly
30, 38.118, 326.363

Deuteranomaly
31, 32.408, 357.163

Tritanomaly
34, 58.050, 20.508

Monochromacy



Original Color
34, 60.010, 0.321

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 30.664, 349.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 60.010, 0.321 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(160, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 82)  
}
```

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(160, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 60.010, 0.321 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(160, 0, 82) }
```

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

```
.border{ border-color:rgb(160, 0, 82) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(160, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 60.010, 0.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 82) }
```

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

```
.background{ background-color: rgb(160, 0,  
82) }
```

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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