

Converting Colors

CIELCh(34, 38.168, 106.216)

Have a look what the booklet for
CIELCh(34, 38.168, 106.216)
contains.

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Color

CIELCh(34, 37.984, 105.954)

Conversions

Conversions Part 1

Format	Color
Hex	50530F
RGB	80, 83, 15
RGB Percent	31%, 33%, 6%
CMY	0.6846, 0.6729, 0.9394
CMYK	0.04, 0.00, 0.81, 0.67
HSL	63°, 69%, 19%
HSV	63°, 81%, 33%
XYZ	6.5581, 8.0082, 1.6694
YIQ	74.3510, 20.0400, -21.7840

Conversions

Conversions Part 2

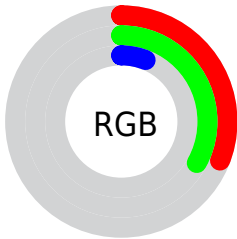
Format	Color
R_{YB}	15, 83, 18
Decimal	5264143
CIE _{Lab}	34.00, -10.44, 36.52
CIE _{LCh}	34, 37.984, 105.954
Yxy	8.0082, 0.4039, 0.4932
Android (android.graphics.Color)	4283454223 (0xFF50530F)
YUV	74.3510, -29.2600, 4.9542
Hunter-Lab	28.2988, -8.1565, 16.3114

Details

The CIELCh color $34, 37.984, 105.954$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $10, 48.256, 303.306$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 37.688, 105.474$, and $14, 22.062, 114.547$ is the 20% darker color. If you saturate the color by 10%, you get $34, 40.707, 105.634$, and if you desaturate by 10%, it is $34, 34.515, 106.435$.

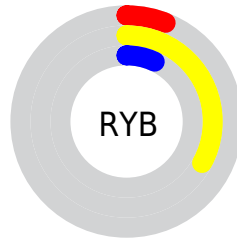
Distribution



 Red (31%)

 Green (33%)

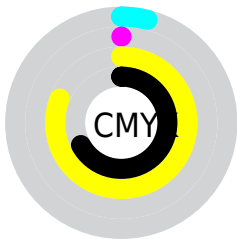
 Blue (6%)



 Red (6%)

 Yellow (33%)

 Blue (7%)

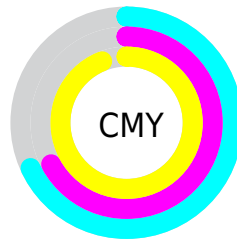


 Cyan (4%)

 Magenta (0%)

 Yellow (81%)

 Black (67%)



 Cyan (68%)


 Magenta (67%)


 Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 37.984, 105.954 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, 37.984, 105.954 by changing the saturation by 10% instead.


 34, 37.984,
105.954


 34, 37.984,
105.954

 100, 37.984,
105.954


 24, 37.984,
105.954

 54, 37.984,
105.954


 14, 37.984,
105.954


 64, 37.984,
105.954

 4, 37.984, 105.954

 74, 37.984,
105.954

 0, 37.984, 105.954

 84, 37.984,
105.954

 94, 37.984,
105.954

■ 34, 37.984,
105.954

■ 34, 37.984,
105.954

■ 34, 40.707,
105.634

■ 34, 34.515,
106.435

■ 34, 43.059,
105.347

■ 34, 30.432,
107.047

■ 34, 25.923,
107.753

■ 35, 21.132,
108.520

■ 35, 16.160,
109.325

■ 35, 11.078,
110.146

■ 35, 5.931, 110.968

■ 35, 0.752, 111.753

Harmonies

Complementary

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



34, 37.984, 105.954



10, 48.256, 303.306

Rectangle

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



34, 37.984, 105.954



34, 37.984, 155.954



34, 37.984, 285.954



34, 37.984, 335.954

Sweetspot

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



34, 37.984, 105.956



46, 15.507, 109.866



17, 35.634, 32.725



23, 10.727, 109.682



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 37.984, 105.956



44, 51.599, 105.476



32, 42.010, 127.471



16, 2.841, 111.193



42, 50.389, 105.422



89, 90.381, 105.599

Inverse Universe

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



10, 48.256, 303.306



11, 70.335, 306.201



14, 46.452, 313.429



15, 2.896, 292.655



9, 69.196, 306.540



29, 124.404, 306.384

Previews

White Background



This preview shows how the CIELCh color 34, 37.984, 105.954 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, 37.984, 105.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

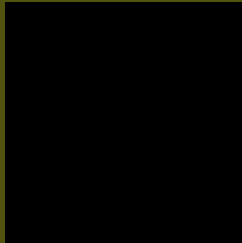
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 37.984, 105.954

Background



This preview shows how black text looks on a background with the CIELCh color 34, 37.984, 105.954.



This preview shows how white text looks on a background with the CIELCh color 34, 37.984, 105.954.

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, 37.984, 105.954

Protanopia

34, 37.099, 95.683

Deuteranopia

34, 35.677, 82.738



Tritanopia
34, 5.112, 332.858

Trichromacy



Original Color
34, 37.984, 105.954

Protanomaly
34, 37.254, 98.924

Deuteranomaly
34, 36.033, 91.462

Tritanomaly
34, 13.188, 99.652

Monochromacy



Original Color
34, 37.984, 105.954

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 15.569, 109.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 37.984, 105.954 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(80, 83, 15)` looks like.

```
.text, #text, p{  
    color:rgb(80, 83, 15)  
}
```

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(80, 83, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 83, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 37.984, 105.954 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(80, 83, 15) }
```

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

```
.border{ border-color:rgb(80, 83, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 83, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 83, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 83, 15);  
box-shadow:4px 4px 4px 4px rgb(80, 83, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 37.984, 105.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 83, 15) }
```

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

```
.background{ background-color: rgb(80, 83,  
15) }
```

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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