

Converting Colors

CIELCh(34, 42.868, 117.223)

Have a look what the booklet for
CIELCh(34, 42.868, 117.223)
contains.

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Color

CIELCh(34, 42.953, 117.199)

Conversions

Conversions Part 1

Format	Color
Hex	425709
RGB	66, 87, 9
RGB Percent	26%, 34%, 4%
CMY	0.7409, 0.6585, 0.9643
CMYK	0.24, 0.00, 0.90, 0.66
HSL	76°, 81%, 19%
HSV	76°, 90%, 34%
XYZ	5.7151, 8.0082, 1.5055
YIQ	71.8290, 12.5220, -28.7100

Conversions

Conversions Part 2

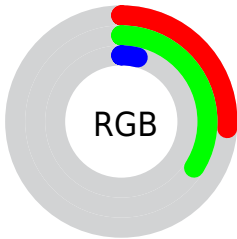
Format	Color
RYB	9, 87, 30
Decimal	4347657
CIELab	34.00, -19.63, 38.20
CIELCh	34, 42.953, 117.199
Yxy	8.0082, 0.3753, 0.5259
Android (android.graphics.Color)	4282537737 (0xFF425709)
YUV	71.8290, -30.9747, -5.1120
Hunter-Lab	28.2988, -13.4736, 16.6549

Details

The CIELCh color $[34, 42.953, 117.199]$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $[10, 53.311, 307.633]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 43.032, 117.078]$, and $[14, 27.555, 131.732]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 45.898, 117.349]$, and if you desaturate by 10%, it is $[34, 39.832, 117.044]$.

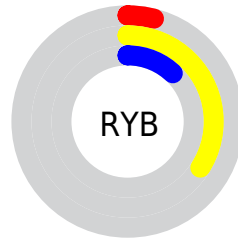
Distribution



Red (26%)

Green (34%)

Blue (4%)



Red (4%)

Yellow (34%)

Blue (12%)

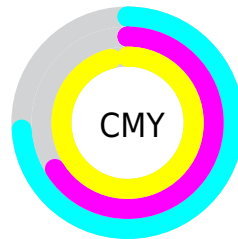


Cyan (24%)

Magenta (0%)

Yellow (90%)

Black (66%)



Cyan (74%)


Magenta (66%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 42.953, 117.199 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, 42.953, 117.199 by changing the saturation by 10% instead.

 34, 42.953,
117.199


 34, 42.953,
117.199

 100, 42.953,
117.199


 24, 42.953,
117.199

 54, 42.953,
117.199


 14, 42.953,
117.199


 64, 42.953,
117.199

 4, 42.953, 117.199

 74, 42.953,
117.199

 0, 42.953, 117.199

 84, 42.953,
117.199

 94, 42.953,
117.199

■ 34, 42.953,
117.199

■ 34, 42.953,
117.199

■ 34, 45.898,
117.349

■ 34, 39.832,
117.044

■ 34, 46.036,
117.351

■ 34, 35.925,
117.163

■ 35, 31.438,
117.478

■ 35, 26.551,
117.920

■ 35, 21.404,
118.436

■ 36, 16.094,
118.990

■ 36, 10.686,
119.558

■ 37, 5.228, 120.123

Harmonies

Complementary

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



34, 42.953, 117.199



10, 53.311, 307.633

Rectangle

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



34, 42.953, 117.199



34, 42.953, 167.199



34, 42.953, 297.199



34, 42.953, 347.199

Sweetspot

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



34, 42.953, 117.201



46, 18.135, 119.086



20, 36.123, 45.535



23, 12.077, 118.981



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, 42.953, 117.201



43, 55.105, 117.763



32, 49.335, 133.712



17, 3.050, 120.167



41, 53.296, 117.693



86, 95.208, 118.568

Inverse Universe

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



10, 53.311, 307.633



12, 70.870, 308.342



16, 50.396, 320.228



16, 3.103, 301.139



11, 68.526, 308.390



32, 122.747, 307.824

Previews

White Background



This preview shows how the CIELCh color 34, 42.953, 117.199 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, 42.953, 117.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

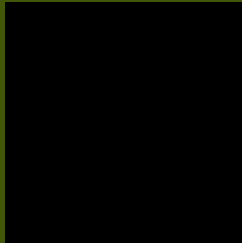
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.953, 117.199

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.953, 117.199.



This preview shows how white text looks on a background with the CIELCh color 34, 42.953, 117.199.

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, 42.953, 117.199

Protanopia

34, 40.083, 95.736

Deuteranopia

34, 36.506, 83.052



Tritanopia
34, 4.674, 252.967

Trichromacy



Original Color
34, 42.953, 117.199

Protanomaly
34, 40.561, 104.672

Deuteranomaly
34, 36.947, 97.276

Tritanomaly
34, 15.877, 127.851

Monochromacy



Original Color
34, 42.953, 117.199

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 17.765, 117.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.953, 117.199 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(66, 87, 9)` looks like.

```
.text, #text, p{  
    color:rgb(66, 87, 9)  
}
```

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(66, 87, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 87, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.953, 117.199 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(66, 87, 9) }
```

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

```
.border{ border-color:rgb(66, 87, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 87, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 87, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 87, 9); box-shadow:4px  
4px 4px 4px rgb(66, 87, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.953, 117.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 87, 9) }
```

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

```
.background{ background-color: rgb(66, 87,  
9) }
```

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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