

Converting Colors

CIELCh(34, 41.305, 116.179)

Have a look what the booklet for
CIELCh(34, 41.305, 116.179)
contains.

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Color

CIELCh(34, 41.515, 116.510)

Conversions

Conversions Part 1

Format	Color
Hex	44570D
RGB	68, 87, 13
RGB Percent	27%, 34%, 5%
CMY	0.7347, 0.6601, 0.9506
CMYK	0.22, 0.00, 0.85, 0.66
HSL	75°, 75%, 19%
HSV	75°, 85%, 34%
XYZ	5.8122, 8.0082, 1.6068
YIQ	72.8830, 12.4300, -27.0420

Conversions

Conversions Part 2

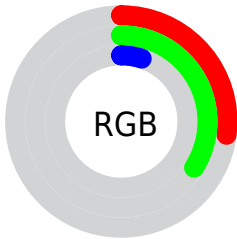
Format	Color
R_{YB}	13, 87, 32
Decimal	4478733
CIE Lab	34.00, -18.53, 37.15
CIE LCh	34, 41.515, 116.510
Yxy	8.0082, 0.3767, 0.5191
Android (android.graphics.Color)	4282668813 (0xFF44570D)
YUV	72.8830, -29.5223, -4.2824
Hunter-Lab	28.2988, -12.8614, 16.4426

Details

The CIELCh color **34, 41.515, 116.510** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 51.147, 307.157**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 41.402, 116.457**, and **14, 27.125, 130.152** is the 20% darker color. If you saturate the color by 10%, you get **34, 44.366, 116.706**, and if you desaturate by 10%, it is **34, 38.078, 116.496**.

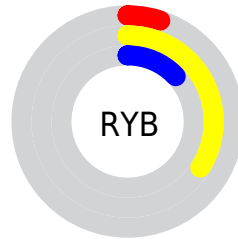
Distribution



Red (27%)

Green (34%)

Blue (5%)



Red (5%)

Yellow (34%)

Blue (13%)

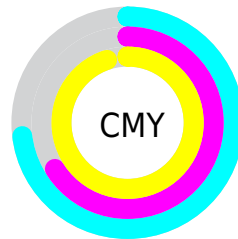


Cyan (22%)

Magenta (0%)

Yellow (85%)

Black (66%)



Cyan (73%)


Magenta (66%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 41.515, 116.510 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, 41.515, 116.510 by changing the saturation by 10% instead.


 34, 41.515,
116.510


 34, 41.515,
116.510


 100, 41.515,
116.510


 24, 41.515,
116.510


 54, 41.515,
116.510


 14, 41.515,
116.510


 64, 41.515,
116.510

 4, 41.515, 116.510

 74, 41.515,
116.510

 0, 41.515, 116.510

 84, 41.515,
116.510

 94, 41.515,
116.510

■ 34, 41.515,
116.510

■ 34, 41.515,
116.510

■ 34, 44.366,
116.706

■ 34, 38.078,
116.496

■ 34, 45.744,
116.731

■ 34, 33.938,
116.719

■ 35, 29.298,
117.105

■ 35, 24.323,
117.594

■ 35, 19.132,
118.140

■ 36, 13.807,
118.713

■ 36, 8.405, 119.292

■ 37, 2.968, 119.866

Harmonies

Complementary

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



34, 41.515, 116.510



11, 51.147, 307.157

Rectangle

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



34, 41.515, 116.510



34, 41.515, 166.510



34, 41.515, 296.510



34, 41.515, 346.510

Sweetspot

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



34, 41.515, 116.512



46, 17.438, 118.633



20, 34.708, 44.870



23, 11.682, 118.520



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, 41.515, 116.512



43, 54.921, 117.138



32, 47.568, 133.389



17, 3.045, 119.676



42, 53.120, 117.071



86, 94.859, 117.917

Inverse Universe

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



11, 51.147, 307.157



12, 71.014, 308.188



16, 48.912, 319.764



16, 3.098, 300.671



11, 68.667, 308.235



32, 122.984, 307.686

Previews

White Background



This preview shows how the CIELCh color 34, 41.515, 116.510 looks on a white background.

Color Contrast Check

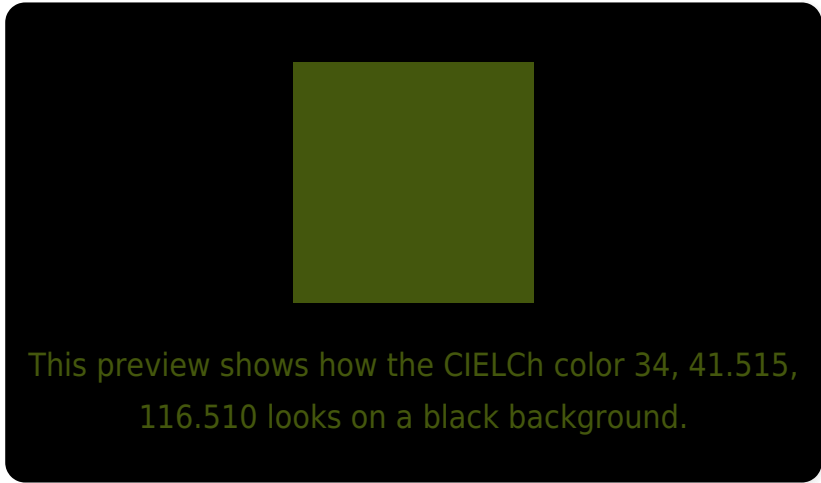
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

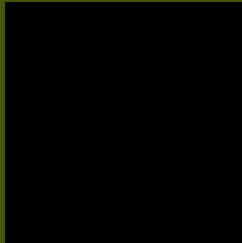
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 41.515, 116.510

Background



This preview shows how black text looks on a background with the CIELCh color 34, 41.515, 116.510.



This preview shows how white text looks on a background with the CIELCh color 34, 41.515, 116.510.

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, 41.515, 116.510

Protanopia
34, 38.495, 95.716

Deuteranopia
34, 35.462, 83.503



Tritanopia
34, 4.448, 257.156

Trichromacy



Original Color
34, 41.515, 116.510

Protanomaly
34, 38.582, 103.493

Deuteranomaly
34, 36.172, 97.281

Tritanomaly
34, 15.139, 127.125

Monochromacy



Original Color
34, 41.515, 116.510

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 17.136, 118.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 41.515, 116.510 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(68, 87, 13)` looks like.

```
.text, #text, p{  
    color:rgb(68, 87, 13)  
}
```

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(68, 87, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 87, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 41.515, 116.510 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(68, 87, 13) }
```

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

```
.border{ border-color:rgb(68, 87, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 87, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 87, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 87, 13);  
box-shadow:4px 4px 4px 4px rgb(68, 87, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 41.515, 116.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 87, 13) }
```

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

```
.background{ background-color: rgb(68, 87,  
13) }
```

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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