

Converting Colors

CIELCh(34, 44.573, 123.598)

Have a look what the booklet for
CIELCh(34, 44.573, 123.598)
contains.

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Color

CIELCh(34, 44.650, 123.888)

Conversions

Conversions Part 1

Format	Color
Hex	38590C
RGB	56, 89, 12
RGB Percent	22%, 35%, 5%
CMY	0.7805, 0.6510, 0.9530
CMYK	0.37, 0.00, 0.87, 0.65
HSL	86°, 76%, 20%
HSV	86°, 87%, 35%
XYZ	5.2668, 8.0082, 1.6152
YIQ	70.3550, 5.0490, -30.9430

Conversions

Conversions Part 2

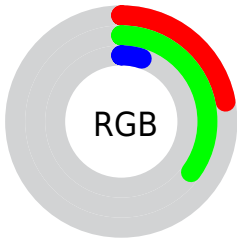
Format	Color
R_{YB}	12, 89, 45
Decimal	3692812
CIE Lab	34.00, -24.90, 37.07
CIE LCh	34, 44.650, 123.888
Yxy	8.0082, 0.3537, 0.5378
Android (android.graphics.Color)	4281882892 (0xFF38590C)
YUV	70.3550, -28.7690, -12.5893
Hunter-Lab	28.2988, -16.3017, 16.4251

Details

The CIELCh color **34, 44.650, 123.888** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 51.801, 310.815**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 44.597, 123.997**, and **14, 30.852, 138.911** is the 20% darker color. If you saturate the color by 10%, you get **34, 47.792, 124.232**, and if you desaturate by 10%, it is **34, 40.969, 123.696**.

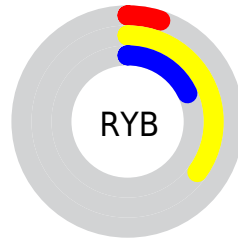
Distribution



Red (22%)

Green (35%)

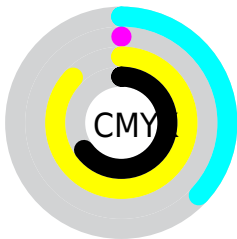
Blue (5%)



Red (5%)

Yellow (35%)

Blue (18%)

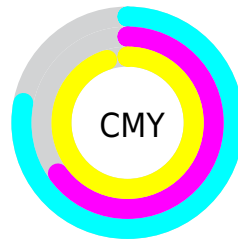


Cyan (37%)

Magenta (0%)

Yellow (87%)

Black (65%)



Cyan (78%)

Magenta (65%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 44.650, 123.888 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, 44.650, 123.888 by changing the saturation by 10% instead.

 34, 44.650,
123.888

 34, 44.650,
123.888

 100, 44.650,
123.888


 24, 44.650,
123.888

 54, 44.650,
123.888

 14, 44.650,
123.888

 64, 44.650,
123.888

 4, 44.650, 123.888

 74, 44.650,
123.888

 0, 44.650, 123.888

 84, 44.650,
123.888

 94, 44.650,
123.888

■ 34, 44.650,
123.888

■ 34, 44.650,
123.888

■ 34, 47.792,
124.232

■ 34, 40.969,
123.696

■ 34, 48.941,
124.277

■ 35, 36.555,
123.782

■ 35, 31.620,
124.054

■ 35, 26.334,
124.437

■ 36, 20.825,
124.879

■ 36, 15.185,
125.343

■ 37, 9.475, 125.809

■ 37, 3.741, 126.267

Harmonies

Complementary

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



34, 44.650, 123.888



13, 51.801, 310.815

Rectangle

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



34, 44.650, 123.888



34, 44.650, 173.888



34, 44.650, 303.888



34, 44.650, 353.888

Sweetspot

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



34, 44.650, 123.889



47, 18.345, 125.330



24, 33.753, 57.630



24, 12.527, 125.230



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 44.650, 123.889



43, 58.757, 124.786



32, 50.720, 136.197



17, 3.135, 126.166



40, 55.888, 124.659



84, 100.259, 125.733

Inverse Universe

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



13, 51.801, 310.815



15, 69.925, 310.864



19, 50.039, 325.178



16, 3.179, 306.913



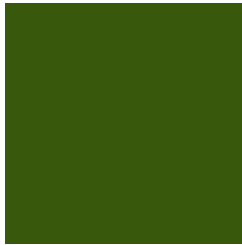
13, 66.522, 310.951



35, 119.161, 310.231

Previews

White Background



This preview shows how the CIELCh color 34, 44.650, 123.888 looks on a white background.

Color Contrast Check

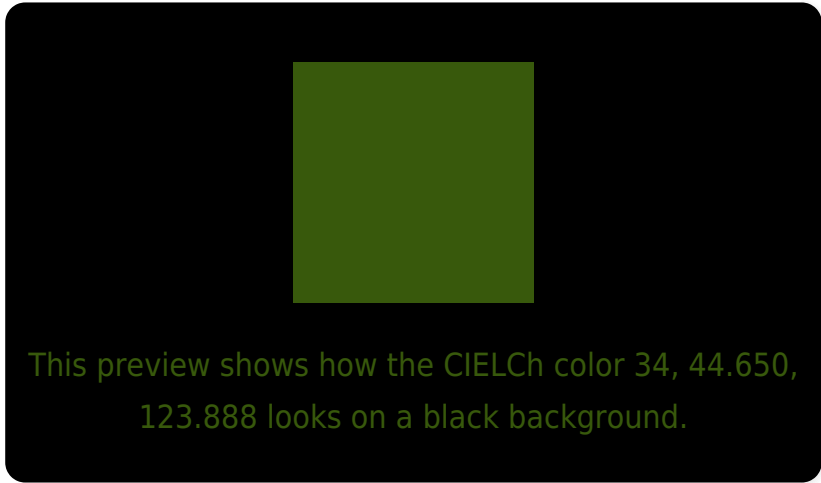
Large Text (above 18pt) WCAG AA ✓ Pass

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

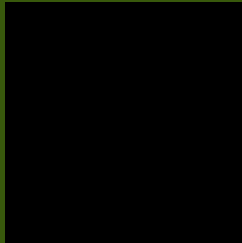
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 44.650, 123.888

Background



This preview shows how black text looks on a background with the CIELCh color 34, 44.650, 123.888.



This preview shows how white text looks on a background with the CIELCh color 34, 44.650, 123.888.

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, 44.650, 123.888

Protanopia

34, 39.122, 95.726

Deuteranopia

34, 35.031, 83.340



Tritanopia
34, 7.911, 227.115

Trichromacy



Original Color
34, 44.650, 123.888

Protanomaly
34, 39.716, 107.053

Deuteranomaly
34, 35.966, 101.433

Tritanomaly
34, 18.127, 141.688

Monochromacy



Original Color
34, 44.650, 123.888

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 18.393, 124.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 44.650, 123.888 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(56, 89, 12)` looks like.

```
.text, #text, p{  
    color:rgb(56, 89, 12)  
}
```

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(56, 89, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 89, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 44.650, 123.888 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(56, 89, 12) }
```

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

```
.border{ border-color:rgb(56, 89, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 89, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 89, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 89, 12);  
box-shadow:4px 4px 4px 4px rgb(56, 89, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 44.650, 123.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 89, 12) }
```

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

```
.background{ background-color: rgb(56, 89,  
12) }
```

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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