

Converting Colors

CIELCh(39, 41.981, 141.944)

Have a look what the booklet for
CIELCh(39, 41.981, 141.944)
contains.

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Color

CIELCh(39, 41.590, 142.181)

Conversions

Conversions Part 1

Format	Color
Hex	2A6830
RGB	42, 104, 48
RGB Percent	16%, 41%, 19%
CMY	0.8343, 0.5913, 0.8109
CMYK	0.59, 0.00, 0.54, 0.59
HSL	126°, 42%, 29%
HSV	126°, 59%, 41%
XYZ	6.4758, 10.6589, 4.5348
YIQ	79.0780, -18.9760, -30.5600

Conversions

Conversions Part 2

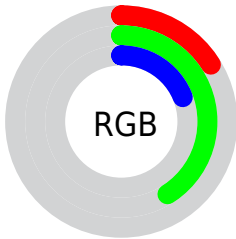
Format	Color
RYB	42, 99, 104
Decimal	2779184
CIELab	39.00, -32.85, 25.50
CIElCh	39, 41.590, 142.181
Yxy	10.6589, 0.2988, 0.4919
Android (android.graphics.Color)	4280969264 (0xFF2A6830)
YUV	79.0780, -15.3215, -32.5174
Hunter-Lab	32.6480, -21.7285, 14.6183




Details

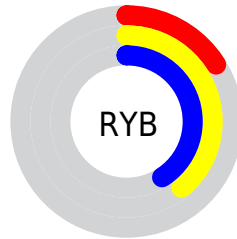
The CIELCh color **39, 41.590, 142.181** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 41.143, 330.370**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **59, 41.871, 141.933**, and **19, 39.271, 138.131** is the 20% darker color. If you saturate the color by 10%, you get **39, 47.431, 140.956**, and if you desaturate by 10%, it is **40, 35.164, 143.308**.

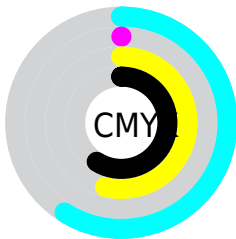
Distribution







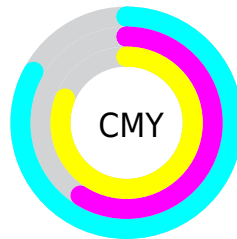
-  Red (16%)
-  Green (41%)
-  Blue (19%)






-  Red (16%)
-  Yellow (39%)
-  Blue (41%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (54%)
-  Black (59%)





-  Cyan (83%)
-  Magenta (59%)
-  Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 41.590, 142.181 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 39, 41.590, 142.181 by changing the saturation by 10% instead.


 39, 41.590,
142.181


 39, 41.590,
142.181

 100, 41.590,
142.181


 29, 41.590,
142.181

 59, 41.590,
142.181


 19, 41.590,
142.181


 69, 41.590,
142.181

 9, 41.590, 142.181

 79, 41.590,
142.181

 0, 41.590, 142.181

 89, 41.590,
142.181

 99, 41.590,
142.181

■ 39, 41.590,
142.181

■ 39, 41.590,
142.181

■ 39, 47.431,
140.956

■ 40, 35.164,
143.308

■ 38, 52.495,
139.682

■ 40, 28.328,
144.316

■ 38, 56.591,
138.441

■ 41, 21.237,
145.200

■ 38, 59.716,
137.537

■ 42, 14.022,
145.970

■ 38, 59.858,
137.508

■ 43, 6.789, 146.644

■ 44, 0.381, 326.727

■ 45, 7.428, 327.654

■ 47, 14.313,
328.089

■ 48, 21.009,
328.461

Harmonies

Complementary

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



39, 41.590, 142.181



28, 41.143, 330.370

Rectangle

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



39, 41.590, 142.181



39, 41.590, 192.181



39, 41.590, 322.181



39, 41.590, 12.181

Sweetspot

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



39, 41.590, 142.181



54, 16.039, 146.039



42, 35.485, 108.945



28, 11.239, 145.878



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 41.590, 142.181



50, 59.375, 140.511



40, 28.127, 162.107



21, 3.951, 146.680



42, 64.306, 137.362



84, 113.325, 136.697

Inverse Universe

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



28, 41.143, 330.370



34, 57.834, 331.033



27, 30.879, 355.516



20, 3.959, 327.612



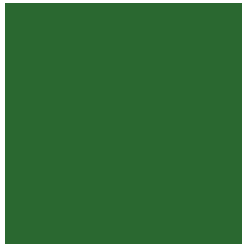
26, 59.625, 332.284



56, 102.948, 332.557

Previews

White Background



This preview shows how the CIELCh color 39, 41.590, 142.181 looks on a white background.

Color Contrast Check

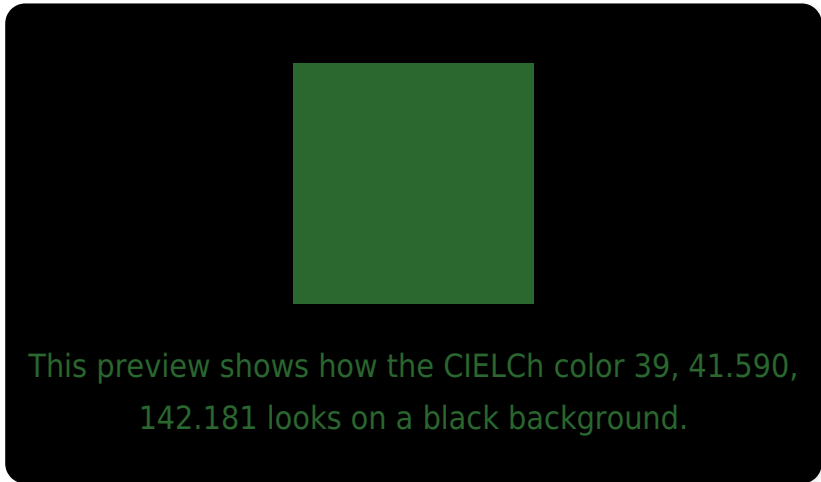
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 41.590, 142.181

Background



This preview shows how black text looks on a background with the CIELCh color 39, 41.590, 142.181.



This preview shows how white text looks on a background with the CIELCh color 39, 41.590, 142.181.

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

39, 41.590, 142.181

Protanopia

39, 28.818, 96.791

Deuteranopia

39, 23.997, 77.514



Tritanopia
39, 15.033, 216.965

Trichromacy



Original Color
39, 41.590, 142.181

Protanomaly
38, 30.417, 119.893

Deuteranomaly
38, 25.295, 113.698

Tritanomaly
39, 20.648, 170.345

Monochromacy



Original Color
39, 41.590, 142.181

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 15.727, 145.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 41.590, 142.181 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(42, 104, 48)` looks like.

```
.text, #text, p{  
    color:rgb(42, 104, 48)  
}
```

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(42, 104, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 104, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 41.590, 142.181 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(42, 104, 48) }
```

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

```
.border{ border-color:rgb(42, 104, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 104, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 104, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 104, 48);  
box-shadow:4px 4px 4px 4px rgb(42, 104,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 41.590, 142.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 104, 48) }
```

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

```
.background{ background-color: rgb(42, 104,  
48) }
```

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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