

Converting Colors

CIELCh(22, 38.981, 140.358)

Have a look what the booklet for
CIELCh(22, 38.981, 140.358)
contains.

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Color

CIELCh(22, 39.005, 140.303)

Conversions

Conversions Part 1

Format	Color
Hex	013E0B
RGB	1, 62, 11
RGB Percent	0%, 24%, 4%
CMY	0.9946, 0.7556, 0.9555
CMYK	0.98, 0.00, 0.82, 0.76
HSL	130°, 96%, 12%
HSV	130°, 98%, 24%
XYZ	1.8206, 3.5154, 0.9101
YIQ	37.9470, -19.9850, -28.7930

Conversions

Conversions Part 2

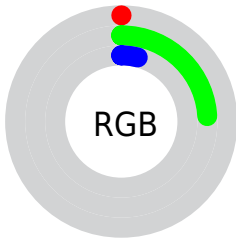
Format	Color
R_{YB}	1, 53, 62
Decimal	81419
CIE _{Lab}	22.00, -30.01, 24.91
CIE _{LCh}	22, 39.005, 140.303
Yxy	3.5154, 0.2915, 0.5628
Android (android.graphics.Color)	4278271499 (0xFF013E0B)
YUV	37.9470, -13.2849, -32.4025
Hunter-Lab	18.7494, -15.4789, 10.2467

Details

The CIELCh color **22, 39.005, 140.303** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 37.102, 334.800**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 38.690, 140.363**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 39.602, 140.194**, and if you desaturate by 10%, it is **22, 36.096, 141.199**.

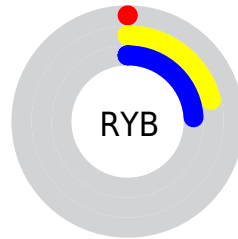
Distribution



Red (0%)

Green (24%)

Blue (4%)



Red (0%)

Yellow (21%)

Blue (24%)

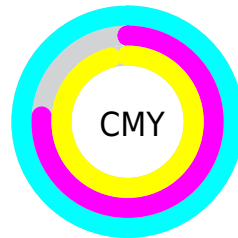


Cyan (98%)

Magenta (0%)

Yellow (82%)

Black (76%)



Cyan (99%)


Magenta (76%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 39.005, 140.303 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 22, 39.005, 140.303 by changing the saturation by 10% instead.

 22, 39.005,
140.303


 22, 39.005,
140.303

 100, 39.005,
140.303


 12, 39.005,
140.303


 42, 39.005,
140.303


 2, 39.005, 140.303

 52, 39.005,
140.303

 0, 39.005, 140.303

 62, 39.005,
140.303

 72, 39.005,
140.303

 82, 39.005,
140.303

 92, 39.005,

140.303

■ 22, 39.005,
140.303

■ 22, 39.005,
140.303

■ 22, 39.602,
140.194

■ 22, 36.096,
141.199

■ 22, 32.916,
142.480

■ 23, 29.338,
143.721

■ 23, 25.422,
144.857

■ 23, 21.251,
145.876

■ 24, 16.904,
146.779

■ 24, 12.451,
147.575

■ 25, 7.954, 148.275

■ 26, 3.460, 148.905

Harmonies

Complementary

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



22, 39.005, 140.303



11, 37.102, 334.800

Rectangle

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



22, 39.005, 140.303



22, 39.005, 190.303



22, 39.005, 320.303



22, 39.005, 10.303

Sweetspot

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



22, 39.005, 140.303



32, 16.271, 147.382



24, 34.677, 111.208



15, 10.972, 147.258



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 39.005, 140.303



29, 48.406, 139.290



22, 25.592, 161.538



11, 2.435, 148.866



34, 53.966, 138.926



77, 103.563, 137.681

Inverse Universe

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



11, 37.102, 334.800



16, 44.923, 335.272



10, 30.199, 8.349



10, 2.442, 329.692



20, 49.539, 335.440



51, 91.423, 336.129

Previews

White Background



This preview shows how the CIELCh color 22, 39.005, 140.303 looks on a white background.

Color Contrast Check

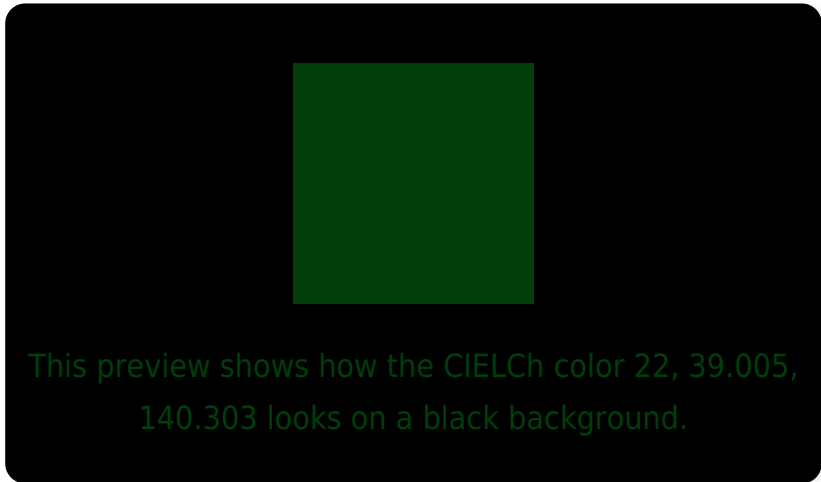
Large Text (above 18pt) WCAG AA ✓ Pass

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

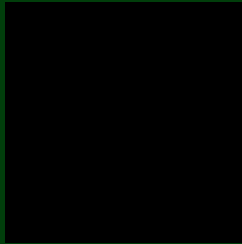
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 39.005, 140.303

Background



This preview shows how black text looks on a background with the CIELCh color 22, 39.005, 140.303.



This preview shows how white text looks on a background with the CIELCh color 22, 39.005, 140.303.

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

22, 39.005, 140.303

Protanopia

22, 27.109, 95.829

Deuteranopia

22, 23.835, 83.269



Tritanopia
22, 12.117, 213.697

Trichromacy



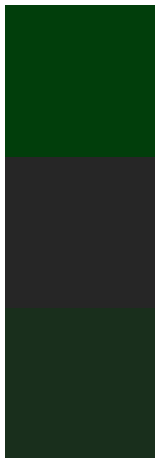
Original Color
22, 39.005, 140.303

Protanomaly
21, 29.344, 121.514

Deuteranomaly
21, 25.914, 118.554

Tritanomaly
22, 20.197, 163.903

Monochromacy



Original Color
22, 39.005, 140.303

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 16.790, 145.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 39.005, 140.303 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(1, 62, 11)` looks like.

```
.text, #text, p{  
    color:rgb(1, 62, 11)  
}
```

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(1, 62, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 62, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 39.005, 140.303 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(1, 62, 11) }
```

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

```
.border{ border-color:rgb(1, 62, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 62, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 62, 11); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 62, 11); box-shadow:4px  
4px 4px 4px rgb(1, 62, 11) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 39.005, 140.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 62, 11) }
```

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

```
.background{ background-color: rgb(1, 62,  
11) }
```

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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