

Converting Colors

CIELCh(22, 41.383, 135.105)

Have a look what the booklet for
CIELCh(22, 41.383, 135.105)
contains.

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Color

CIELCh(22, 41.390, 135.193)

Conversions

Conversions Part 1

Format	Color
Hex	093E01
RGB	9, 62, 1
RGB Percent	4%, 24%, 0%
CMY	0.9643, 0.7565, 0.9957
CMYK	0.85, 0.00, 0.98, 0.76
HSL	112°, 97%, 12%
HSV	112°, 98%, 24%
XYZ	1.8471, 3.5154, 0.6126
YIQ	39.1990, -12.0070, -30.2070

Conversions

Conversions Part 2

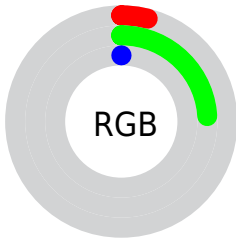
Format	Color
R_{YB}	1, 62, 54
Decimal	605697
CIE _{Lab}	22.00, -29.37, 29.17
CIE _{LCh}	22, 41.390, 135.193
Yxy	3.5154, 0.3091, 0.5883
Android (android.graphics.Color)	4278795777 (0xFF093E01)
YUV	39.1990, -18.8321, -26.4845
Hunter-Lab	18.7494, -15.2265, 11.1874

Details

The CIELCh color **22, 41.390, 135.193** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 41.819, 323.747**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 41.372, 135.020**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 41.893, 135.091**, and if you desaturate by 10%, it is **22, 38.512, 135.738**.

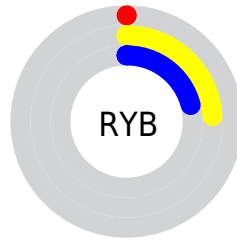
Distribution



Red (4%)

Green (24%)

Blue (0%)



Red (0%)

Yellow (24%)

Blue (21%)

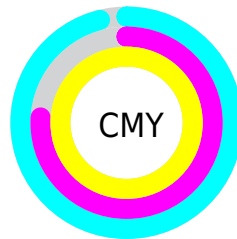


Cyan (85%)

Magenta (0%)

Yellow (98%)

Black (76%)



Cyan (96%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 41.390, 135.193 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, 41.390, 135.193 by changing the saturation by 10% instead.

 22, 41.390,
135.193


 22, 41.390,
135.193

 100, 41.390,
135.193


 12, 41.390,
135.193


 42, 41.390,
135.193


 2, 41.390, 135.193

 52, 41.390,
135.193

 0, 41.390, 135.193

 62, 41.390,
135.193

 72, 41.390,
135.193

 82, 41.390,
135.193

 92, 41.390,

135.193

■ 22, 41.390,
135.193

■ 22, 41.390,
135.193

■ 22, 41.893,
135.091

■ 22, 38.512,
135.738

■ 22, 35.380,
136.169

■ 23, 31.637,
136.815

■ 23, 27.465,
137.512

■ 23, 22.995,
138.205

■ 24, 18.331,
138.861

■ 24, 13.558,
139.464

■ 25, 8.740, 140.007

■ 26, 3.928, 140.499

Harmonies

Complementary

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



22, 41.390, 135.193



10, 41.819, 323.747

Rectangle

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



22, 41.390, 135.193



22, 41.390, 185.193



22, 41.390, 315.193



22, 41.390, 5.193

Sweetspot

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



22, 41.390, 135.194



32, 17.486, 139.342



23, 30.889, 95.008



15, 11.792, 139.248



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, 41.390, 135.194



30, 51.388, 134.623



22, 33.791, 146.695



11, 2.616, 140.491



34, 56.939, 134.809



78, 106.927, 135.410

Inverse Universe

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



10, 41.819, 323.747



15, 50.965, 323.583



11, 32.714, 346.333



10, 2.627, 321.141



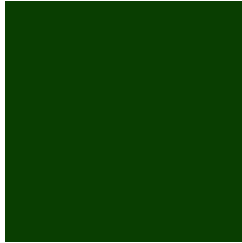
18, 56.348, 323.492



48, 105.088, 323.125

Previews

White Background



This preview shows how the CIE LCh color 22, 41.390, 135.193 looks on a white background.

Color Contrast Check

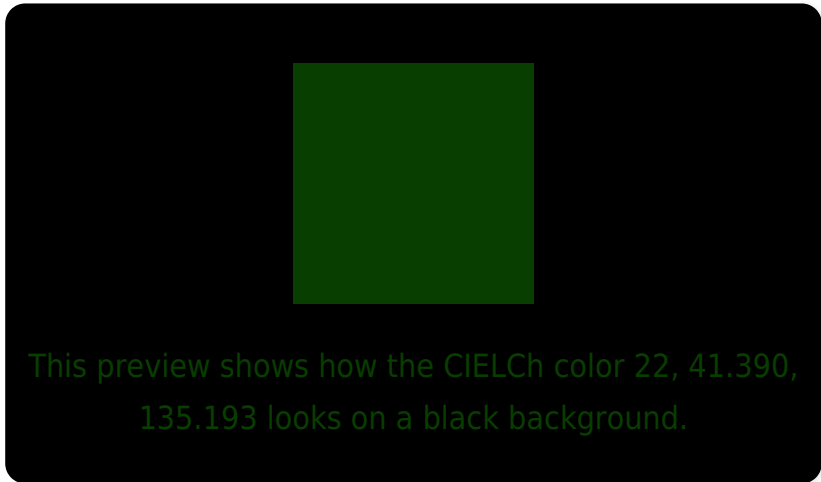
Large Text (above 18pt) WCAG AA ✓ Pass

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

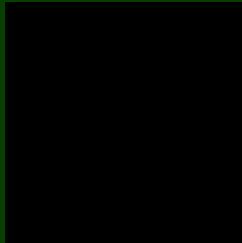
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 41.390, 135.193

Background



This preview shows how black text looks on a background with the CIELCh color 22, 41.390, 135.193.



This preview shows how white text looks on a background with the CIELCh color 22, 41.390, 135.193.

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](#).

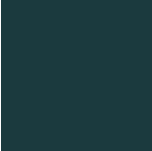
Dichromacy



Original Color
22, 41.390, 135.193

Protanopia
22, 30.736, 96.131

Deuteranopia
22, 25.596, 82.864



Tritanopia
22, 11.805, 210.734

Trichromacy



Original Color
22, 41.390, 135.193

Protanomaly
21, 32.905, 117.421

Deuteranomaly
21, 27.600, 112.987

Tritanomaly
22, 20.702, 158.022

Monochromacy



Original Color
22, 41.390, 135.193

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 17.679, 138.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 41.390, 135.193 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(9, 62, 1)` looks like.

```
.text, #text, p{  
    color:rgb(9, 62, 1)  
}
```

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(9, 62, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 62, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 41.390, 135.193 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(9, 62, 1) }
```

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

```
.border{ border-color:rgb(9, 62, 1) }
```

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

Here you see how a box with a 4 pixel rgb(9, 62, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 62, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 62, 1); box-shadow:4px  
4px 4px 4px rgb(9, 62, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 41.390, 135.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 62, 1) }
```

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

```
.background{ background-color: rgb(9, 62,  
1) }
```

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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