

Converting Colors

CIELCh(20, 40.421, 140.945)

Have a look what the booklet for
CIELCh(20, 40.421, 140.945)
contains.

CIELCh(20, 38.991, 139.086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(20, 38.991, 139.086)

Conversions

Conversions Part 1

Format	Color
Hex	003A04
RGB	0, 58, 4
RGB Percent	0%, 23%, 2%
CMY	1.0000, 0.7743, 0.9825
CMYK	1.00, 0.00, 0.92, 0.77
HSL	125°, 100%, 11%
HSV	125°, 100%, 23%
XYZ	1.5105, 2.9891, 0.6255
YIQ	34.5020, -17.2340, -29.0900

Conversions

Conversions Part 2

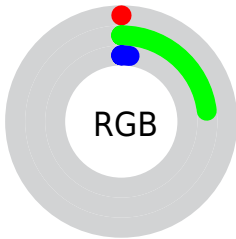
Format	Color
RYB	0, 54, 58
Decimal	14852
CIELab	20.00, -29.47, 25.54
CIELCh	20, 38.991, 139.086
Yxy	2.9891, 0.2947, 0.5832
Android (android.graphics.Color)	4278204932 (0xFF003A04)
YUV	34.5020, -15.0375, -30.2583
Hunter-Lab	17.2889, -14.6607, 9.9572

Details

The CIELCh color **20, 38.991, 139.086** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 38.019, 331.096**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 39.370, 138.536**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 38.931, 138.982**, and if you desaturate by 10%, it is **20, 36.248, 139.281**.

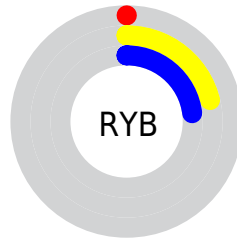
Distribution



Red (0%)

Green (23%)

Blue (2%)



Red (0%)

Yellow (21%)

Blue (23%)

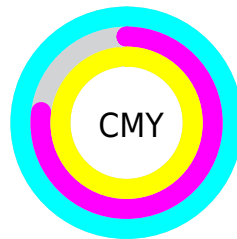


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (77%)



Cyan (100%)


Magenta (77%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 38.991, 139.086 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 20, 38.991, 139.086 by changing the saturation by 10% instead.

 20, 38.991,
139.086


 20, 38.991,
139.086

 100, 38.991,
139.086


 10, 38.991,
139.086


 40, 38.991,
139.086

 0, 38.991, 139.086

 50, 38.991,
139.086

 60, 38.991,
139.086

 70, 38.991,
139.086

 80, 38.991,
139.086

 90, 38.991,

139.086

■ 20, 38.991,
139.086

■ 20, 38.991,
139.086

■ 20, 38.931,
138.982

■ 20, 36.248,
139.281

■ 20, 33.379,
140.039

■ 21, 29.968,
141.153

■ 21, 26.168,
142.210

■ 21, 22.078,
143.182

■ 22, 17.788,
144.054

■ 22, 13.376,
144.828

■ 23, 8.906, 145.509

■ 24, 4.433, 146.113

Harmonies

Complementary

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



20, 38.991, 139.086



10, 38.019, 331.096

Rectangle

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



20, 38.991, 139.086



20, 38.991, 189.086



20, 38.991, 319.086



20, 38.991, 9.086

Sweetspot

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



20, 38.931, 138.982



29, 16.488, 144.728



23, 32.706, 106.914



14, 11.355, 144.624



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 38.931, 138.982



26, 46.979, 137.742



20, 26.855, 156.402



10, 2.400, 146.212



33, 54.910, 137.401



77, 105.469, 136.564

Inverse Universe

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



10, 38.019, 331.096



15, 44.729, 331.236



9, 29.437, 1.074



9, 2.405, 326.975



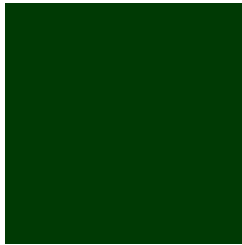
20, 51.762, 331.340



51, 96.972, 331.622

Previews

White Background



This preview shows how the CIELCh color 20, 38.991, 139.086 looks on a white background.

Color Contrast Check

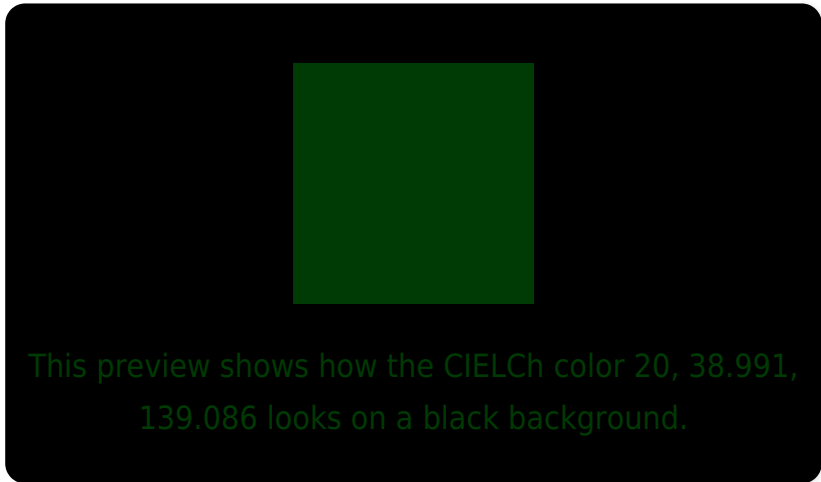
Large Text (above 18pt) WCAG AA ✓ Pass

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

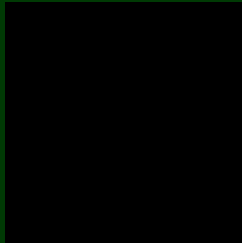
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 38.991, 139.086

Background



This preview shows how black text looks on a background with the CIELCh color 20, 38.991, 139.086.



This preview shows how white text looks on a background with the CIELCh color 20, 38.991, 139.086.

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

20, 39.337, 138.756

Protanopia

20, 28.537, 96.937

Deuteranopia

20, 23.632, 83.932



Tritanopia
21, 11.483, 211.252

Trichromacy



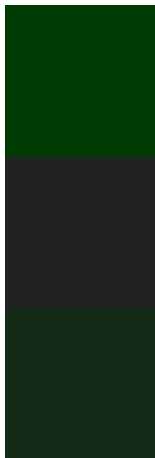
Original Color
20, 39.337, 138.756

Protanomaly
19, 30.478, 120.985

Deuteranomaly
19, 26.126, 118.475

Tritanomaly
20, 19.566, 162.183

Monochromacy



Original Color
20, 39.337, 138.756

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 17.270, 142.733

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 20, 38.991, 139.086 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(0, 58, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 58, 4)  
}
```

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(0, 58, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 58, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 38.991, 139.086 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(0, 58, 4) }
```

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

```
.border{ border-color:rgb(0, 58, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 58, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 58, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 58, 4); box-shadow:4px  
4px 4px 4px rgb(0, 58, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 38.991, 139.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 58, 4) }
```

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

```
.background{ background-color: rgb(0, 58,  
4) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor