

Converting Colors

CIELCh(17, 91.390, 176.287)

Have a look what the booklet for
CIELCh(17, 91.390, 176.287)
contains.

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Color

CIELCh(21, 28.034, 154.914)

Conversions

Conversions Part 1

Format	Color
Hex	003B20
RGB	0, 59, 32
RGB Percent	0%, 23%, 13%
CMY	0.9995, 0.7682, 0.8741
CMYK	1.00, 0.00, 0.46, 0.77
HSL	153°, 100%, 12%
HSV	153°, 100%, 23%
XYZ	1.8334, 3.2451, 1.9035
YIQ	38.2810, -26.4970, -20.9050

Conversions

Conversions Part 2

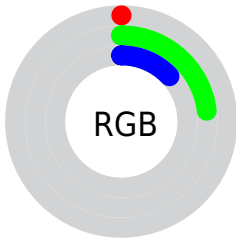
Format	Color
RYB	0, 38, 59
Decimal	15136
CIELab	21.00, -25.39, 11.89
CIELCh	21, 28.034, 154.914
Yxy	3.2451, 0.2626, 0.4648
Android (android.graphics.Color)	4278205216 (0xFF003B20)
YUV	38.2810, -3.0965, -33.5724
Hunter-Lab	18.0142, -13.3584, 6.3450

Details

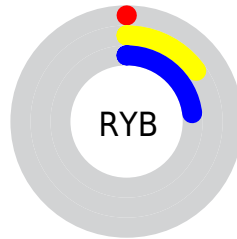
The CIELCh color **21, 28.034, 154.914** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 30.013, 359.280**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 28.207, 154.739**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 28.081, 154.891**, and if you desaturate by 10%, it is **21, 25.778, 156.140**.

Distribution



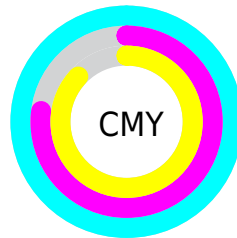
- Red (0%)
- Green (23%)
- Blue (13%)



- Red (0%)
- Yellow (15%)
- Blue (23%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (77%)





- Cyan (100%)
- Magenta (77%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 28.034, 154.914 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 21, 28.034, 154.914 by changing the saturation by 10% instead.

 21, 28.034,
154.914


 21, 28.034,
154.914

 100, 28.034,
154.914


 11, 28.034,
154.914


 41, 28.034,
154.914


 1, 28.034, 154.914

 51, 28.034,
154.914

 0, 28.034, 154.914

 61, 28.034,
154.914

 71, 28.034,
154.914

 81, 28.034,
154.914

 91, 28.034,

154.914

■ 21, 28.034,
154.914

■ 21, 28.034,
154.914

■ 21, 28.081,
154.891

■ 21, 25.778,
156.140

■ 21, 23.554,
157.640

■ 22, 21.147,
159.094

■ 22, 18.510,
160.402

■ 22, 15.676,
161.579

■ 23, 12.685,
162.641

■ 23, 9.578, 163.605

■ 24, 6.394, 164.488

■ 24, 3.168, 165.316

Harmonies

Complementary

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



21, 28.034, 154.914



9, 30.013, 359.280

Rectangle

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



21, 28.034, 154.914



21, 28.034, 204.914



21, 28.034, 334.914



21, 28.034, 24.914

Sweetspot

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



21, 28.034, 154.914



30, 11.947, 163.459



22, 37.044, 127.873



14, 7.993, 163.344



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 28.034, 154.914



28, 34.011, 153.768



21, 16.964, 201.042



11, 1.848, 165.425



35, 39.843, 153.017



78, 77.109, 151.063

Inverse Universe

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



9, 30.013, 359.280



14, 35.500, 1.327



9, 30.462, 26.994



10, 1.871, 346.549



18, 40.902, 2.742



48, 75.992, 6.673

Previews

White Background



This preview shows how the CIELCh color 21, 28.034, 154.914 looks on a white background.

Color Contrast Check

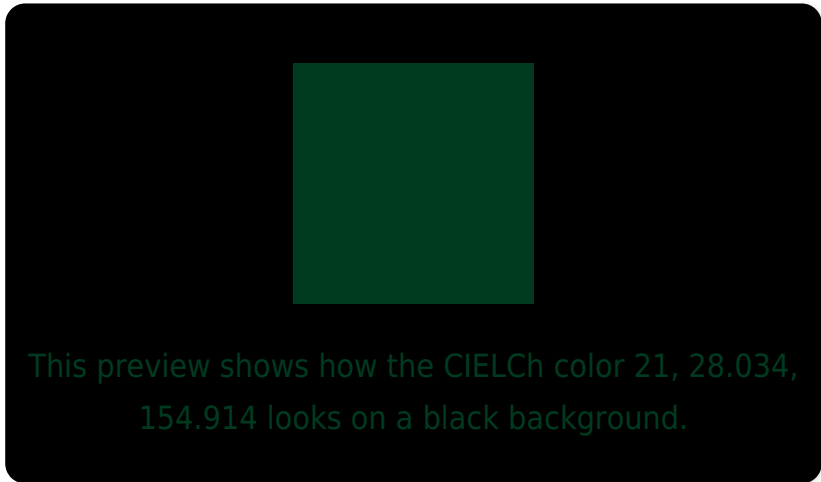
Large Text (above 18pt) WCAG AA ✓ Pass

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

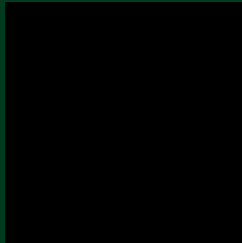
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 28.034, 154.914

Background



This preview shows how black text looks on a background with the CIELCh color 21, 28.034, 154.914.



This preview shows how white text looks on a background with the CIELCh color 21, 28.034, 154.914.

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

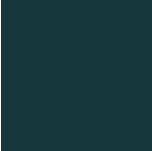
21, 28.034, 154.914

Protanopia

21, 14.847, 96.486

Deuteranopia

21, 11.382, 74.689



Tritanopia
21, 12.558, 209.843

Trichromacy



Original Color
21, 28.034, 154.914

Protanomaly
20, 18.228, 135.342

Deuteranomaly
20, 14.457, 135.396

Tritanomaly
21, 16.637, 179.778

Monochromacy



Original Color
21, 28.034, 154.914

Achromatopsia
15, 0.003, 296.813

Achromatomaly
17, 12.229, 162.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 28.034, 154.914 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, 59, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 59, 32)  
}
```

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, 59, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 59, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 28.034, 154.914 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, 59, 32) }
```

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

```
.border{ border-color:rgb(0, 59, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 59, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 59, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 59, 32); box-shadow:4px  
4px 4px 4px rgb(0, 59, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 28.034, 154.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 59, 32) }
```

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

```
.background{ background-color: rgb(0, 59,  
32) }
```

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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