

Converting Colors

CIELCh(21, 13.579, 173.605)

Have a look what the booklet for
CIELCh(21, 13.579, 173.605)
contains.

CIELCh(21, 13.685, 173.545)	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(21, 13.685, 173.545)

Conversions

Conversions Part 1

Format	Color
Hex	1A3830
RGB	26, 56, 48
RGB Percent	10%, 22%, 19%
CMY	0.8986, 0.7809, 0.8123
CMYK	0.54, 0.00, 0.14, 0.78
HSL	164°, 37%, 16%
HSV	164°, 54%, 22%
XYZ	2.3608, 3.2451, 3.2839
YIQ	46.1180, -15.3120, -8.8480

Conversions

Conversions Part 2

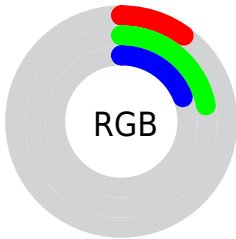
Format	Color
R_YB	26, 43, 56
Decimal	1718320
CIE _{Lab}	21.00, -13.60, 1.54
CIE _{LCh}	21, 13.685, 173.545
Yxy	3.2451, 0.2656, 0.3650
Android (android.graphics.Color)	4279908400 (0xFF1A3830)
YUV	46.1180, 0.9278, -17.6435
Hunter-Lab	18.0142, -8.1323, 1.8018

Details

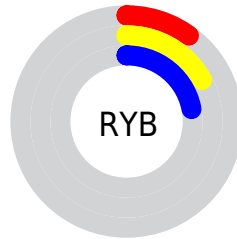
The CIELCh color **21, 13.685, 173.545** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 16.003, 4.306**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 13.526, 173.878**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 15.785, 172.426**, and if you desaturate by 10%, it is **21, 11.397, 174.575**.

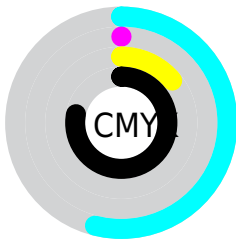
Distribution



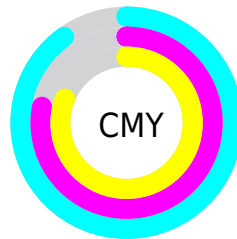
- Red (10%)
- Green (22%)
- Blue (19%)



- Red (10%)
- Yellow (17%)
- Blue (22%)



- Cyan (54%)
- Magenta (0%)
- Yellow (14%)
- Black (78%)



- Cyan (90%)
- Magenta (78%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 13.685, 173.545 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, 13.685, 173.545 by changing the saturation by 10% instead.

■ 21, 13.685,
173.545

■ 21, 13.685,
173.545

■ 100, 13.685,
173.545

■ 11, 13.685,
173.545

■ 41, 13.685,
173.545

■ 1, 13.685, 173.545

■ 51, 13.685,
173.545

■ 0, 13.685, 173.545

■ 61, 13.685,
173.545

■ 71, 13.685,
173.545

■ 81, 13.685,
173.545

■ 91, 13.685,

173.545

■ 21, 13.685,
173.545

■ 21, 13.685,
173.545

■ 21, 15.785,
172.426

■ 21, 11.397,
174.575

■ 20, 17.667,
171.206

■ 22, 8.953, 175.533

■ 22, 6.386, 176.434

■ 20, 19.314,
169.873

■ 23, 3.730, 177.294

■ 20, 20.915,
168.650

■ 23, 1.013, 178.232

■ 20, 21.955,
167.988

■ 24, 1.738, 358.675

■ 24, 4.502, 359.468

■ 25, 7.261, 0.179

Harmonies

Complementary

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



21, 13.685, 173.545



14, 16.003, 4.306

Rectangle

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



21, 13.685, 173.545



21, 13.685, 223.545



21, 13.685, 353.545



21, 13.685, 43.545

Sweetspot

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



21, 13.685, 173.544



29, 5.334, 177.036



21, 22.399, 134.377



13, 3.528, 177.007



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



21, 13.685, 173.544



27, 19.276, 172.044



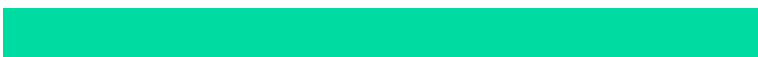
19, 9.897, 227.251



10, 1.519, 177.759



34, 31.373, 166.188



78, 60.645, 164.367

Inverse Universe

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



14, 16.003, 4.306



17, 23.399, 6.809



15, 13.759, 42.709



9, 1.555, 358.903



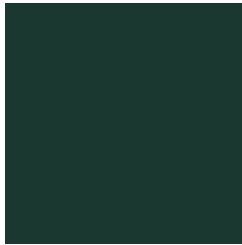
17, 41.276, 19.703



46, 79.989, 24.772

Previews

White Background



This preview shows how the CIELCh color 21, 13.685, 173.545 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



This preview shows how the CIELCh color 21, 13.685, 173.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

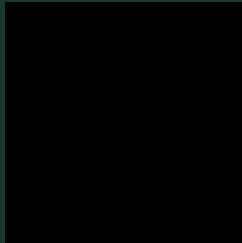
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 13.685, 173.545

Background



This preview shows how black text looks on a background with the CIELCh color 21, 13.685, 173.545.



This preview shows how white text looks on a background with the CIELCh color 21, 13.685, 173.545.

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, 13.685, 173.545

Protanopia

21, 3.664, 86.009

Deuteranopia

21, 3.334, 20.027



Tritanopia
21, 10.133, 217.456

Trichromacy



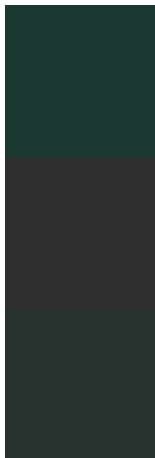
Original Color
21, 13.685, 173.545

Protanomaly
21, 5.868, 154.602

Deuteranomaly
21, 3.092, 172.846

Tritanomaly
21, 10.759, 197.452

Monochromacy



Original Color
21, 13.685, 173.545

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 5.434, 176.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 13.685, 173.545 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(26, 56, 48)` looks like.

```
.text, #text, p{  
    color:rgb(26, 56, 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(26, 56, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 56, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 13.685, 173.545 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(26, 56, 48) }
```

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

```
.border{ border-color:rgb(26, 56, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 56, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 56, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 56, 48);  
box-shadow:4px 4px 4px 4px rgb(26, 56, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 13.685, 173.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 56, 48) }
```

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

```
.background{ background-color: rgb(26, 56,  
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](#).

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