

Converting Colors

CIELCh(21, 8.780, 174.399)

Have a look what the booklet for
CIELCh(21, 8.780, 174.399) contains.

CIELCh(21, 8.680, 174.775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(21, 8.680, 174.775)

Conversions

Conversions Part 1

Format	Color
Hex	243631
RGB	36, 54, 49
RGB Percent	14%, 21%, 19%
CMY	0.8585, 0.7879, 0.8075
CMYK	0.33, 0.00, 0.09, 0.79
HSL	163°, 20%, 18%
HSV	163°, 33%, 21%
XYZ	2.6096, 3.2451, 3.4037
YIQ	48.0480, -9.1230, -5.3710

Conversions

Conversions Part 2

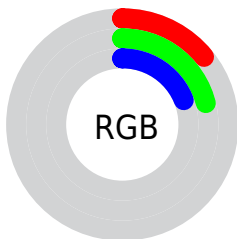
Format	Color
R_{YB}	36, 46, 54
Decimal	2373169
CIE Lab	21.00, -8.64, 0.79
CIE LCh	21, 8.680, 174.775
Yxy	3.2451, 0.2819, 0.3505
Android (android.graphics.Color)	4280563249 (0xFF243631)
YUV	48.0480, 0.4693, -10.5661
Hunter-Lab	18.0142, -5.6672, 1.4075

Details

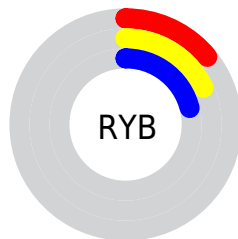
The CIELCh color **21, 8.680, 174.775** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 9.498, 0.600**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 8.937, 174.231**, and **1, 3.122, 148.614** is the 20% darker color. If you saturate the color by 10%, you get **21, 11.093, 173.817**, and if you desaturate by 10%, it is **21, 6.154, 175.669**.

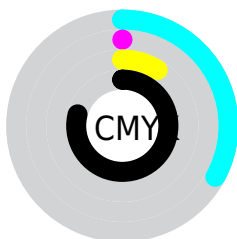
Distribution



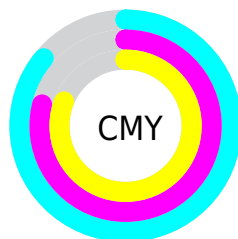
- Red (14%)
- Green (21%)
- Blue (19%)



- Red (14%)
- Yellow (18%)
- Blue (21%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (79%)



- Cyan (86%)
- Magenta (79%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 8.680, 174.775 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, 8.680, 174.775 by changing the saturation by 10% instead.

■ 21, 8.680, 174.775

■ 21, 8.680, 174.775

■ 100, 8.680,
174.775

■ 11, 8.680, 174.775

■ 41, 8.680, 174.775

■ 1, 8.680, 174.775

■ 51, 8.680, 174.775

■ 0, 8.680, 174.775

■ 61, 8.680, 174.775

■ 71, 8.680, 174.775

■ 81, 8.680, 174.775

■ 91, 8.680, 174.775

■ 21, 8.680, 174.775

■ 21, 8.680, 174.775

■ 21, 11.093,
173.817

■ 21, 6.154, 175.669

■ 20, 13.360,
172.788

■ 22, 3.545, 176.526

■ 22, 0.882, 177.481

■ 20, 15.448,
171.672

■ 23, 1.812, 357.903

■ 20, 17.330,
170.454

■ 24, 4.515, 358.683

■ 24, 7.210, 359.385

■ 20, 18.989,
169.124

■ 25, 9.884, 0.052

■ 19, 20.610,
167.915

■ 26, 12.527, 0.692

■ 19, 21.733,
167.226

■ 27, 15.132, 1.309

Harmonies

Complementary

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



21, 8.680, 174.775



17, 9.498, 0.600

Rectangle

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



21, 8.680, 174.775



21, 8.680, 224.775



21, 8.680, 354.775



21, 8.680, 44.775

Sweetspot

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



21, 8.680, 174.773



30, 3.373, 176.763



21, 13.577, 134.907



14, 2.254, 176.735



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, 8.680, 174.773



28, 12.962, 173.934



20, 6.437, 222.945



10, 1.528, 176.949



34, 31.800, 165.251



78, 61.535, 163.402

Inverse Universe

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



17, 9.498, 0.600



21, 14.551, 1.700



18, 7.788, 40.907



9, 1.563, 358.096



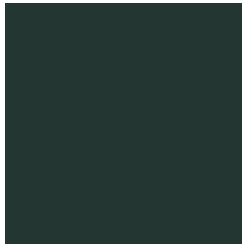
17, 41.092, 18.726



46, 79.477, 23.790

Previews

White Background



This preview shows how the CIELCh color 21, 8.680, 174.775 looks on a white background.

Color Contrast Check

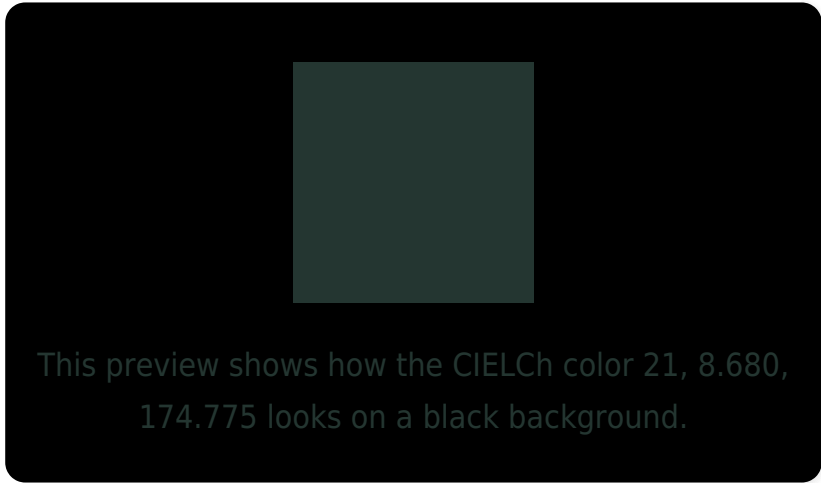
Large Text (above 18pt) WCAG AA ✓ Pass

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

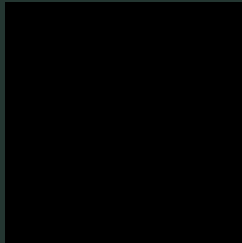
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 8.680, 174.775

Background



This preview shows how black text looks on a background with the CIELCh color 21, 8.680, 174.775.



This preview shows how white text looks on a background with the CIELCh color 21, 8.680, 174.775.

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, 8.680, 174.775

Protanopia

21, 2.229, 84.351

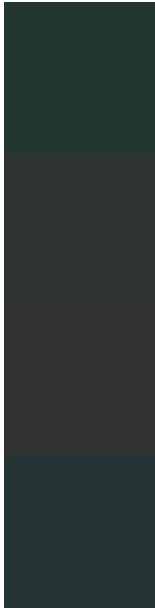
Deuteranopia

21, 2.915, 6.600



Tritanopia
21, 6.744, 222.154

Trichromacy



Original Color

21, 8.680, 174.775

Protanomaly

21, 3.105, 158.053

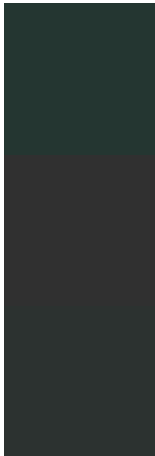
Deuteranomaly

21, 1.549, 173.363

Tritanomaly

21, 6.825, 203.897

Monochromacy



Original Color

21, 8.680, 174.775

Achromatopsia

20, 0.004, 296.813

Achromatomaly

20, 3.101, 172.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 8.680, 174.775 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(36, 54, 49)` looks like.

```
.text, #text, p{  
    color:rgb(36, 54, 49)  
}
```

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(36, 54, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 54, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 8.680, 174.775 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(36, 54, 49) }
```

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

```
.border{ border-color:rgb(36, 54, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 54, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 54, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 54, 49);  
box-shadow:4px 4px 4px 4px rgb(36, 54, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 8.680, 174.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 54, 49) }
```

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

```
.background{ background-color: rgb(36, 54,  
49) }
```

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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