

Converting Colors

CIELCh(20, 20.471, 173.764)

Have a look what the booklet for
CIELCh(20, 20.471, 173.764)
contains.

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Color

CIELCh(20, 20.368, 174.103)

Conversions

Conversions Part 1

Format	Color
Hex	00382D
RGB	0, 56, 45
RGB Percent	0%, 22%, 18%
CMY	1.0000, 0.7814, 0.8245
CMYK	1.00, 0.00, 0.20, 0.78
HSL	168°, 100%, 11%
HSV	168°, 100%, 22%
XYZ	1.8672, 2.9891, 2.9364
YIQ	38.0020, -29.8450, -15.2930

Conversions

Conversions Part 2

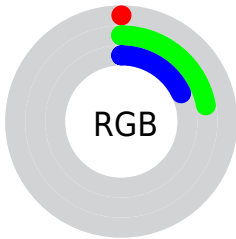
Format	Color
RYB	0, 31, 56
Decimal	14381
CIELab	20.00, -20.26, 2.09
CIELCh	20, 20.368, 174.103
Yxy	2.9891, 0.2396, 0.3836
Android (android.graphics.Color)	4278204461 (0xFF00382D)
YUV	38.0020, 3.4500, -33.3278
Hunter-Lab	17.2889, -10.9779, 2.0323

Details

The CIELCh color **20, 20.368, 174.103** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 28.865, 15.529**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 19.897, 175.323**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 20.319, 174.057**, and if you desaturate by 10%, it is **20, 18.890, 175.038**.

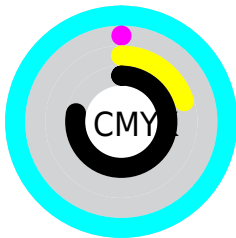
Distribution



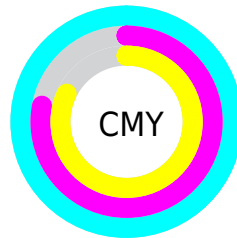
- Red (0%)
- Green (22%)
- Blue (18%)



- Red (0%)
- Yellow (12%)
- Blue (22%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (78%)





- Cyan (100%)
- Magenta (78%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 20.368, 174.103 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, 20.368, 174.103 by changing the saturation by 10% instead.

 20, 20.368,
174.103


 20, 20.368,
174.103


 100, 20.368,
174.103


 10, 20.368,
174.103


 40, 20.368,
174.103

 0, 20.368, 174.103

 50, 20.368,
174.103

 60, 20.368,
174.103

 70, 20.368,
174.103

 80, 20.368,
174.103

 90, 20.368,

174.103

■ 20, 20.368,
174.103

■ 20, 20.368,
174.103

■ 20, 20.319,
174.057

■ 20, 18.890,
175.038

■ 20, 17.510,
176.187

■ 21, 15.976,
177.328

■ 21, 14.200,
178.380

■ 21, 12.204,
179.358

■ 21, 10.017,
180.275

■ 22, 7.672, 181.143

■ 22, 5.200, 181.974

■ 23, 2.633, 182.796

Harmonies

Complementary

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



20, 20.368, 174.103



8, 28.865, 15.529

Rectangle

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



20, 20.368, 174.103



20, 20.368, 224.103



20, 20.368, 354.103



20, 20.368, 44.103

Sweetspot

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



20, 20.319, 174.057



28, 9.412, 181.025



20, 37.849, 134.685



13, 6.281, 180.942



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



20, 20.319, 174.057



26, 24.127, 173.213



14, 15.683, 247.868



10, 1.468, 182.938



34, 28.879, 172.501



78, 55.431, 170.914

Inverse Universe

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



8, 28.865, 15.529



12, 34.970, 21.288



11, 24.649, 42.048



9, 1.511, 4.033



17, 42.607, 25.201



46, 83.580, 30.334

Previews

White Background



This preview shows how the CIELCh color 20, 20.368, 174.103 looks on a white background.

Color Contrast Check

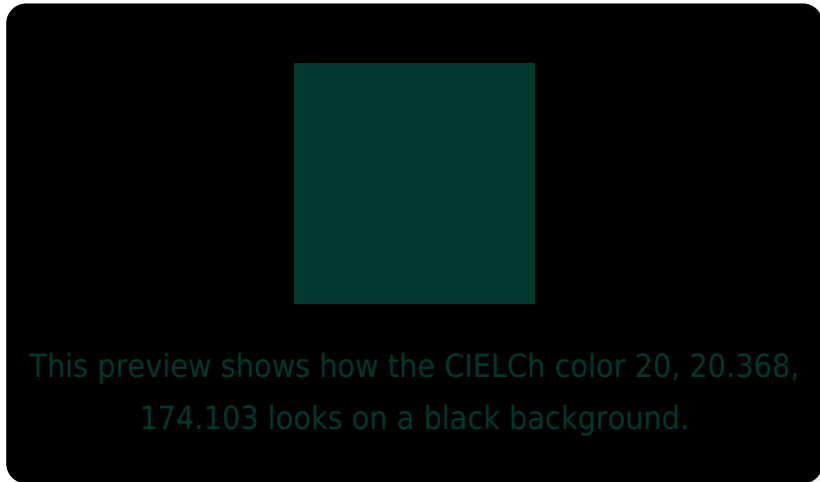
Large Text (above 18pt) WCAG AA ✓ Pass

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

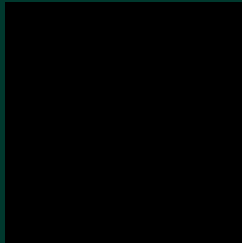
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 20.368, 174.103

Background



This preview shows how black text looks on a background with the CIELCh color 20, 20.368, 174.103.



This preview shows how white text looks on a background with the CIELCh color 20, 20.368, 174.103.

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, 20.368, 174.103

Protanopia

20, 5.602, 93.504

Deuteranopia

20, 3.358, 20.052



Tritanopia
20, 13.198, 209.153

Trichromacy



Original Color
20, 20.368, 174.103

Protanomaly
19, 10.324, 160.919

Deuteranomaly
19, 7.691, 176.975

Tritanomaly
20, 15.371, 191.483

Monochromacy



Original Color
20, 20.368, 174.103

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 9.270, 179.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 20.368, 174.103 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, 56, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 56, 45)  
}
```

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, 56, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 56, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 20.368, 174.103 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, 56, 45) }
```

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

```
.border{ border-color:rgb(0, 56, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 56, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 56, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 56, 45); box-shadow:4px  
4px 4px 4px rgb(0, 56, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 20.368, 174.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 56, 45) }
```

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

```
.background{ background-color: rgb(0, 56,  
45) }
```

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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