

Converting Colors

CIELCh(20, 16.595, 147.209)

Have a look what the booklet for
CIELCh(20, 16.595, 147.209)
contains.

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Color

CIELCh(20, 16.259, 148.179)

Conversions

Conversions Part 1

Format	Color
Hex	1E3523
RGB	30, 53, 35
RGB Percent	12%, 21%, 14%
CMY	0.8808, 0.7906, 0.8612
CMYK	0.43, 0.00, 0.34, 0.79
HSL	133°, 27%, 16%
HSV	133°, 43%, 21%
XYZ	2.1477, 2.9891, 2.0837
YIQ	44.0710, -7.9300, -10.4740

Conversions

Conversions Part 2

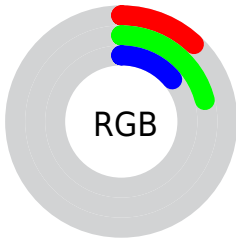
Format	Color
RYB	30, 49, 53
Decimal	1979683
CIELab	20.00, -13.82, 8.57
CIELCh	20, 16.259, 148.179
Yxy	2.9891, 0.2975, 0.4140
Android (android.graphics.Color)	4280169763 (0xFF1E3523)
YUV	44.0710, -4.4720, -12.3403
Hunter-Lab	17.2889, -8.0811, 4.9564

Details

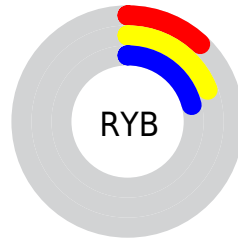
The CIELCh color **20, 16.259, 148.179** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 16.334, 333.537**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 16.639, 147.528**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **20, 19.882, 147.237**, and if you desaturate by 10%, it is **20, 12.531, 149.013**.

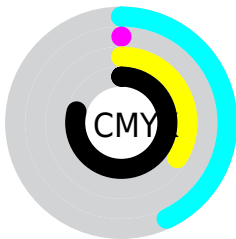
Distribution



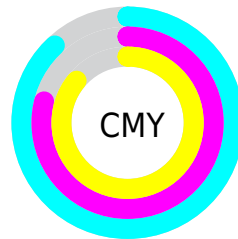
- Red (12%)
- Green (21%)
- Blue (14%)



- Red (12%)
- Yellow (19%)
- Blue (21%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (79%)





- Cyan (88%)
- Magenta (79%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 16.259, 148.179 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, 16.259, 148.179 by changing the saturation by 10% instead.

 20, 16.259,
148.179


 20, 16.259,
148.179


 100, 16.259,
148.179


 10, 16.259,
148.179


 40, 16.259,
148.179

 0, 16.259, 148.179

 50, 16.259,
148.179

 60, 16.259,
148.179

 70, 16.259,
148.179

 80, 16.259,
148.179

 90, 16.259,

148.179

■ 20, 16.259,
148.179

■ 20, 16.259,
148.179

■ 20, 19.882,
147.237

■ 20, 12.531,
149.013

■ 19, 23.342,
146.178

■ 21, 8.744, 149.752

■ 19, 26.581,
145.000

■ 22, 4.942, 150.410

■ 22, 1.159, 151.065

■ 19, 29.546,
143.717

■ 23, 2.579, 331.418

■ 19, 32.324,
142.747

■ 24, 6.251, 331.898

■ 24, 9.843, 332.310

■ 18, 34.097,
142.477

■ 25, 13.347,

332.676

■ 26, 16.756,
333.006

Harmonies

Complementary

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



20, 16.259, 148.179



15, 16.334, 333.537

Rectangle

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



20, 16.259, 148.179



20, 16.259, 198.179



20, 16.259, 328.179



20, 16.259, 18.179

Sweetspot

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



20, 16.260, 148.179



28, 6.072, 150.376



21, 15.386, 116.221



13, 4.293, 150.321



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, 16.260, 148.179



26, 24.052, 147.091



20, 10.977, 173.452



9, 2.000, 150.718



32, 50.250, 140.323



76, 99.211, 138.748

Inverse Universe

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



15, 16.334, 333.537



19, 24.086, 334.245



15, 12.325, 1.422



8, 2.007, 331.513



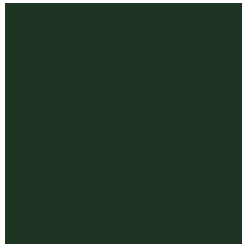
18, 45.954, 338.252



49, 86.317, 339.340

Previews

White Background



This preview shows how the CIELCh color 20, 16.259, 148.179 looks on a white background.

Color Contrast Check

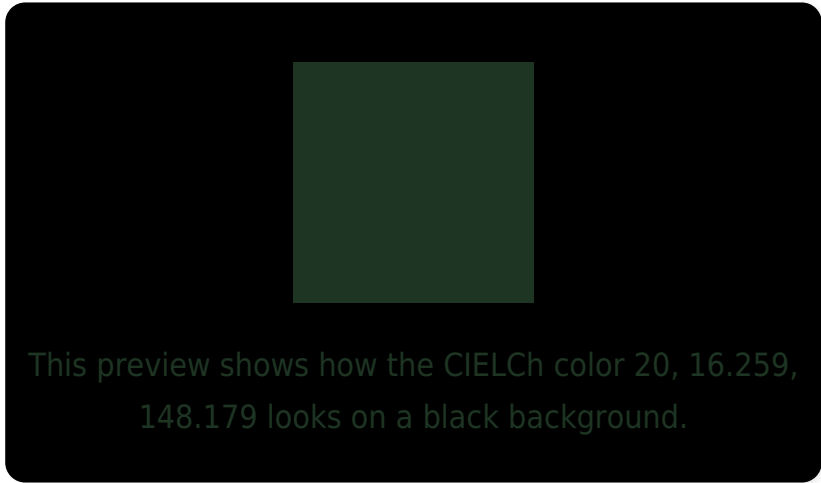
Large Text (above 18pt) WCAG AA ✓ Pass

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

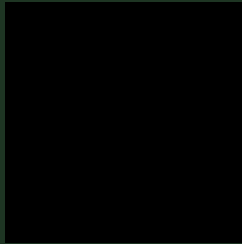
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 16.259, 148.179

Background



This preview shows how black text looks on a background with the CIELCh color 20, 16.259, 148.179.



This preview shows how white text looks on a background with the CIELCh color 20, 16.259, 148.179.

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](#).

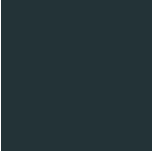
Dichromacy



Original Color
20, 16.259, 148.179

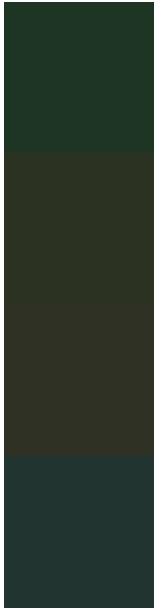
Protanopia
20, 10.336, 96.142

Deuteranopia
20, 8.385, 66.369



Tritanopia
20, 7.109, 220.935

Trichromacy



Original Color
20, 16.259, 148.179

Protanomaly
20, 11.178, 123.201

Deuteranomaly
20, 8.829, 114.578

Tritanomaly
20, 8.779, 179.564

Monochromacy



Original Color
20, 16.259, 148.179

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.637, 151.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 16.259, 148.179 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(30, 53, 35)` looks like.

```
.text, #text, p{  
    color:rgb(30, 53, 35)  
}
```

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(30, 53, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 53, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 16.259, 148.179 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(30, 53, 35) }
```

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

```
.border{ border-color:rgb(30, 53, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 53, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 53, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 53, 35);  
box-shadow:4px 4px 4px 4px rgb(30, 53, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 16.259, 148.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 53, 35) }
```

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

```
.background{ background-color: rgb(30, 53,  
35) }
```

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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