

Converting Colors

CIELCh(20, 26.027, 157.239)

Have a look what the booklet for
CIELCh(20, 26.027, 157.239)
contains.

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Color

CIELCh(20, 26.327, 157.167)

Conversions

Conversions Part 1

Format	Color
Hex	003921
RGB	0, 57, 33
RGB Percent	0%, 22%, 13%
CMY	1.0000, 0.7781, 0.8721
CMYK	1.00, 0.00, 0.42, 0.78
HSL	155°, 100%, 11%
HSV	155°, 100%, 22%
XYZ	1.7058, 2.9891, 1.8975
YIQ	37.2210, -26.2680, -19.5480

Conversions

Conversions Part 2

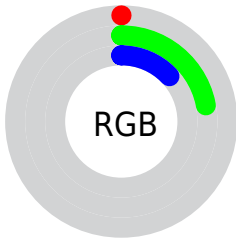
Format	Color
RYB	0, 36, 57
Decimal	14625
CIELab	20.00, -24.26, 10.22
CIELCh	20, 26.327, 157.167
Yxy	2.9891, 0.2588, 0.4534
Android (android.graphics.Color)	4278204705 (0xFF003921)
YUV	37.2210, -2.0810, -32.6428
Hunter-Lab	17.2889, -12.6438, 5.5949

Details

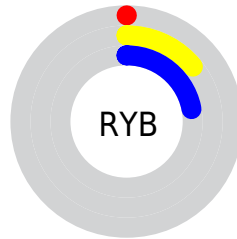
The CIELCh color **20, 26.327, 157.167** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 29.077, 1.711**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **40, 26.718, 156.925**, and **0, 0.492, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **20, 26.251, 157.057**, and if you desaturate by 10%, it is **20, 24.129, 158.224**.

Distribution



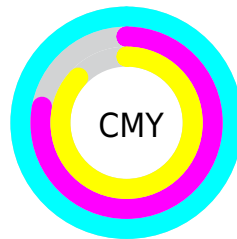
- Red (0%)
- Green (22%)
- Blue (13%)



- Red (0%)
- Yellow (14%)
- Blue (22%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (78%)





- Cyan (100%)
- Magenta (78%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 20, 26.327, 157.167 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, 26.327, 157.167 by changing the saturation by 10% instead.

 20, 26.327,
157.167


 20, 26.327,
157.167


 100, 26.327,
157.167


 10, 26.327,
157.167


 40, 26.327,
157.167

 0, 26.327, 157.167

 50, 26.327,
157.167

 60, 26.327,
157.167

 70, 26.327,
157.167

 80, 26.327,
157.167

 90, 26.327,

157.167

■ 20, 26.327,
157.167

■ 20, 26.327,
157.167

■ 20, 26.251,
157.057

■ 20, 24.129,
158.224

■ 20, 22.054,
159.666

■ 21, 19.828,
161.096

■ 21, 17.383,
162.386

■ 21, 14.748,
163.551

■ 22, 11.960,
164.607

■ 22, 9.056, 165.571

■ 23, 6.073, 166.458

■ 23, 3.044, 167.296

Harmonies

Complementary

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



20, 26.327, 157.167



8, 29.077, 1.711

Rectangle

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



20, 26.327, 157.167



20, 26.327, 207.167



20, 26.327, 337.167



20, 26.327, 27.167

Sweetspot

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



20, 26.251, 157.057



29, 11.315, 165.435



20, 36.093, 129.119



14, 7.784, 165.303



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 26.251, 157.057



27, 31.979, 155.863



19, 15.941, 206.032



10, 1.674, 167.437



34, 37.611, 155.073



77, 73.534, 153.051

Inverse Universe

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



8, 29.077, 1.711



13, 34.565, 4.040



8, 28.646, 27.672



9, 1.697, 348.545



18, 40.028, 5.648



47, 75.490, 10.012

Previews

White Background



This preview shows how the CIELCh color 20, 26.327, 157.167 looks on a white background.

Color Contrast Check

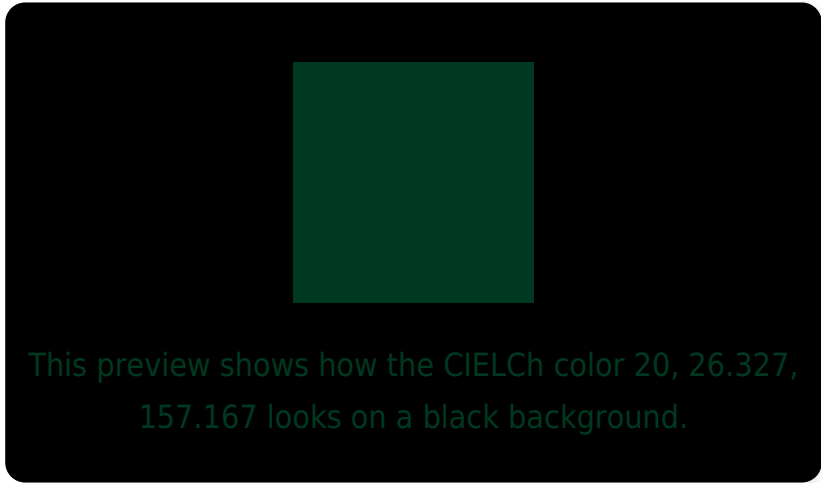
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.327, 157.167

Background



This preview shows how black text looks on a background with the CIELCh color 20, 26.327, 157.167.



This preview shows how white text looks on a background with the CIELCh color 20, 26.327, 157.167.

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](#).

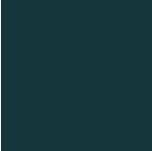
Dichromacy



Original Color
20, 26.327, 157.167

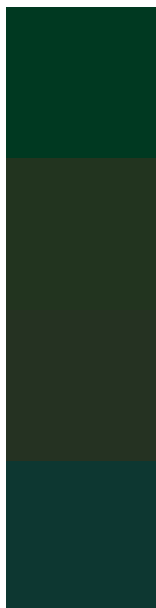
Protanopia
20, 13.009, 95.431

Deuteranopia
20, 10.003, 73.401



Tritanopia
20, 12.264, 210.232

Trichromacy



Original Color
20, 26.327, 157.167

Protanomaly
20, 16.620, 138.514

Deuteranomaly
19, 12.585, 137.788

Tritanomaly
20, 16.049, 181.622

Monochromacy



Original Color
20, 26.327, 157.167

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 11.189, 162.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 26.327, 157.167 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, 57, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 57, 33)  
}
```

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, 57, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 57, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 26.327, 157.167 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, 57, 33) }
```

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

```
.border{ border-color:rgb(0, 57, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 57, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 57, 33); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 57, 33); box-shadow:4px  
4px 4px 4px rgb(0, 57, 33) }
```

Background

The CSS property to change the background color of an element to CIELCh 20, 26.327, 157.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 57, 33) }
```

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

```
.background{ background-color: rgb(0, 57,  
33) }
```

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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