

Converting Colors

CIELCh(19, 21.777, 162.290)

Have a look what the booklet for
CIELCh(19, 21.777, 162.290)
contains.

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Color

CIELCh(19, 21.502, 162.760)

Conversions

Conversions Part 1

Format	Color
Hex	053524
RGB	5, 53, 36
RGB Percent	2%, 21%, 14%
CMY	0.9787, 0.7906, 0.8574
CMYK	0.90, 0.00, 0.32, 0.79
HSL	159°, 82%, 12%
HSV	159°, 90%, 21%
XYZ	1.6831, 2.7468, 2.1398
YIQ	36.7100, -23.1510, -15.4630

Conversions

Conversions Part 2

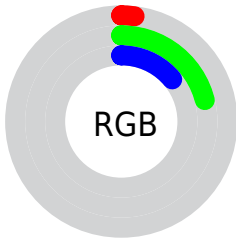
Format	Color
R_YB	5, 34, 53
Decimal	341284
CIE Lab	19.00, -20.54, 6.37
CIE LCh	19, 21.502, 162.760
Yxy	2.7468, 0.2562, 0.4181
Android (android.graphics.Color)	4278531364 (0xFF053524)
YUV	36.7100, -0.3500, -27.8097
Hunter-Lab	16.5735, -10.8758, 3.9465

Details

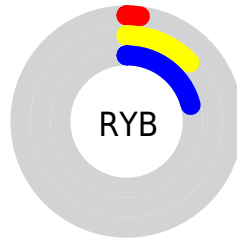
The CIELCh color **19, 21.502, 162.760** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 25.062, 4.978**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 21.318, 163.711**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 23.387, 161.670**, and if you desaturate by 10%, it is **19, 19.678, 164.107**.

Distribution



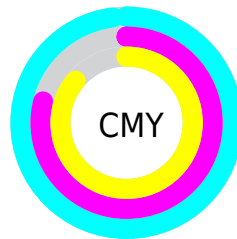
- Red (2%)
- Green (21%)
- Blue (14%)



- Red (2%)
- Yellow (13%)
- Blue (21%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (79%)





- Cyan (98%)
- Magenta (79%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 21.502, 162.760 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 19, 21.502, 162.760 by changing the saturation by 10% instead.

 19, 21.502,
162.760


 19, 21.502,
162.760


 100, 21.502,
162.760


 9, 21.502, 162.760


 39, 21.502,
162.760

 0, 21.502, 162.760

 49, 21.502,
162.760


 59, 21.502,
162.760


 69, 21.502,
162.760


 79, 21.502,
162.760


 89, 21.502,


162.760


 99, 21.502,
162.760


 19, 21.502,
162.760


 19, 21.502,
162.760


 19, 23.387,
161.670


 19, 19.678,
164.107

 19, 23.423,
161.651

 19, 17.734,
165.475

 20, 15.581,
166.717

 20, 13.245,
167.847

 20, 10.758,
168.881

■ 21, 8.154, 169.834

■ 21, 5.464, 170.722

■ 22, 2.719, 171.571

■ 22, 0.054, 348.904

Harmonies

Complementary

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



19, 21.502, 162.760



9, 25.062, 4.978

Rectangle

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



19, 21.502, 162.760



19, 21.502, 212.760



19, 21.502, 342.760



19, 21.502, 32.760

Sweetspot

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



19, 21.502, 162.759



27, 9.150, 169.970



19, 32.340, 131.185



13, 6.224, 169.908



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 21.502, 162.759



25, 28.146, 160.501



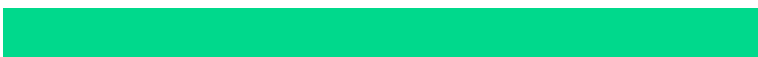
17, 13.739, 216.100



9, 1.473, 171.716



33, 34.101, 159.542



77, 67.197, 157.491

Inverse Universe

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



9, 25.062, 4.978



11, 32.958, 9.379



9, 23.708, 30.940



8, 1.499, 352.810



17, 39.425, 11.633



46, 76.032, 16.634

Previews

White Background



This preview shows how the CIE LCh color 19, 21.502, 162.760 looks on a white background.

Color Contrast Check

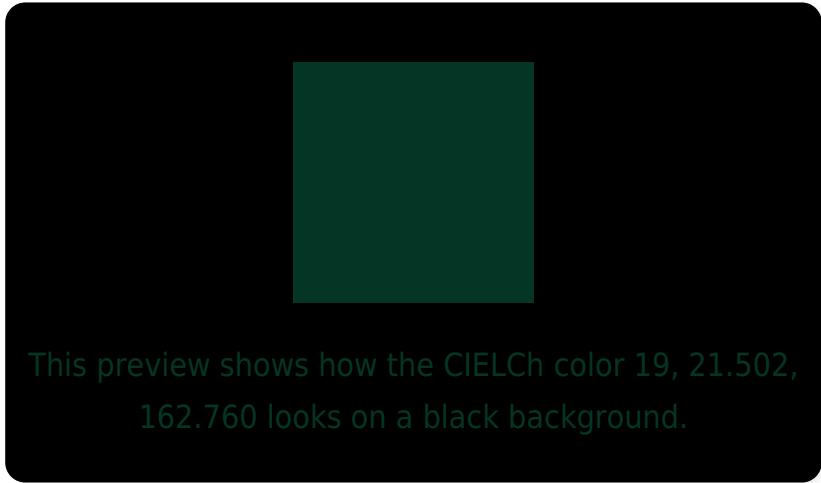
Large Text (above 18pt) WCAG AA ✓ Pass

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

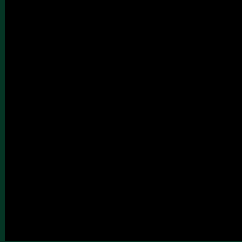
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 21.502, 162.760

Background



This preview shows how black text looks on a background with the CIELCh color 19, 21.502, 162.760.



This preview shows how white text looks on a background with the CIELCh color 19, 21.502, 162.760.

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
19, 21.502, 162.760

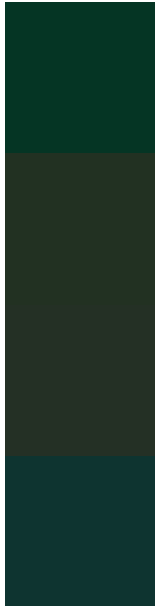
Protanopia
19, 9.084, 94.797

Deuteranopia
19, 6.645, 65.550



Tritanopia
19, 11.945, 210.695

Trichromacy



Original Color
19, 21.502, 162.760

Protanomaly
19, 12.570, 142.739

Deuteranomaly
18, 9.524, 145.410

Tritanomaly
19, 14.519, 185.665

Monochromacy



Original Color
19, 21.502, 162.760

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.908, 169.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 21.502, 162.760 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(5, 53, 36)` looks like.

```
.text, #text, p{  
    color:rgb(5, 53, 36)  
}
```

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(5, 53, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 53, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 21.502, 162.760 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(5, 53, 36) }
```

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

```
.border{ border-color:rgb(5, 53, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 53, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 53, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 53, 36); box-shadow:4px  
4px 4px 4px rgb(5, 53, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 21.502, 162.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 53, 36) }
```

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

```
.background{ background-color: rgb(5, 53,  
36) }
```

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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