

Converting Colors

CIELCh(18, 13.527, 155.896)

Have a look what the booklet for
CIELCh(18, 13.527, 155.896)
contains.

CIELCh(18, 13.561, 155.640)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 13.561, 155.640)

Conversions

Conversions Part 1

Format	Color
Hex	1B3124
RGB	27, 49, 36
RGB Percent	11%, 19%, 14%
CMY	0.8956, 0.8093, 0.8602
CMYK	0.45, 0.00, 0.27, 0.81
HSL	145°, 29%, 15%
HSV	145°, 45%, 19%
XYZ	1.8377, 2.5180, 2.0294
YIQ	40.9400, -8.9390, -8.7070

Conversions

Conversions Part 2

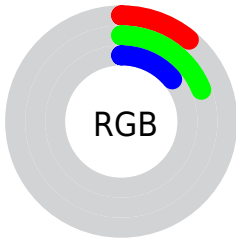
Format	Color
R_YB	27, 43, 49
Decimal	1782052
CIE Lab	18.00, -12.35, 5.59
CIE LCh	18, 13.561, 155.640
Yxy	2.5180, 0.2878, 0.3944
Android (android.graphics.Color)	4279972132 (0xFF1B3124)
YUV	40.9400, -2.4354, -12.2254
Hunter-Lab	15.8683, -7.0980, 3.5253

Details

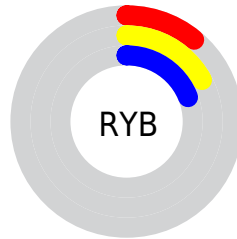
The CIELCh color **18, 13.561, 155.640** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 13.922, 342.325**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.428, 154.507**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.399, 154.623**, and if you desaturate by 10%, it is **18, 10.627, 156.551**.

Distribution



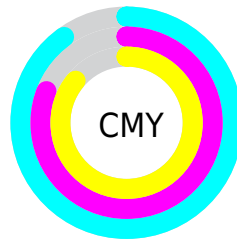
- Red (11%)
- Green (19%)
- Blue (14%)



- Red (11%)
- Yellow (17%)
- Blue (19%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (81%)



- Cyan (90%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.561, 155.640 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 18, 13.561, 155.640 by changing the saturation by 10% instead.

■ 18, 13.561,
155.640

■ 18, 13.561,
155.640

■ 100, 13.561,
155.640

■ 8, 13.561, 155.640

■ 38, 13.561,
155.640

■ 0, 13.561, 155.640

■ 48, 13.561,
155.640


■ 58, 13.561,
155.640


■ 68, 13.561,
155.640


■ 78, 13.561,
155.640


■ 88, 13.561,


155.640

 98, 13.561,
155.640

 18, 13.561,
155.640


 18, 13.561,
155.640

 18, 16.399,
154.623

 18, 10.627,
156.551


 17, 19.102,
153.488

 19, 7.631, 157.373


 17, 21.635,
152.223

 19, 4.604, 158.122

 20, 1.574, 158.848

 17, 24.011,
150.905

 20, 1.438, 339.269

 17, 26.400,
149.884

 21, 4.413, 339.892

■ 17, 27.551,
149.499

■ 22, 7.339, 340.417

■ 22, 10.205,
340.897

■ 23, 13.006,
341.341

Harmonies

Complementary

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



18, 13.561, 155.640



13, 13.922, 342.325

Rectangle

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



18, 13.561, 155.640



18, 13.561, 205.640



18, 13.561, 335.640



18, 13.561, 25.640

Sweetspot

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



18, 13.561, 155.639



26, 5.316, 158.153



19, 15.415, 123.606



12, 3.710, 158.110



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 13.561, 155.639



24, 20.091, 154.427



18, 9.459, 188.234



9, 1.736, 158.615



33, 43.465, 146.817



76, 86.408, 144.791

Inverse Universe

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



13, 13.922, 342.325



17, 20.667, 343.412



13, 11.684, 15.370



8, 1.748, 339.549



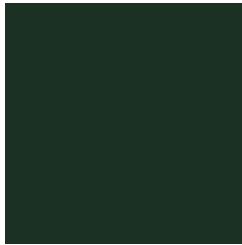
17, 40.992, 351.268



47, 76.845, 354.107

Previews

White Background



This preview shows how the CIELCh color 18, 13.561, 155.640 looks on a white background.

Color Contrast Check

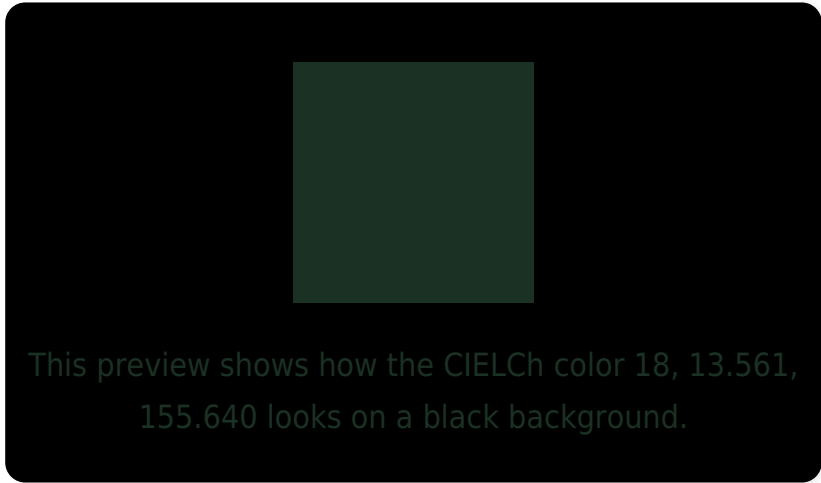
Large Text (above 18pt) WCAG AA ✓ Pass

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

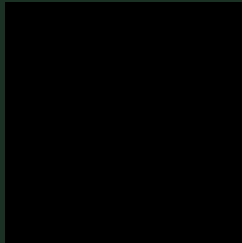
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.561, 155.640

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.561, 155.640.



This preview shows how white text looks on a background with the CIELCh color 18, 13.561, 155.640.

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

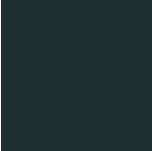
18, 13.561, 155.640

Protanopia

18, 7.698, 96.658

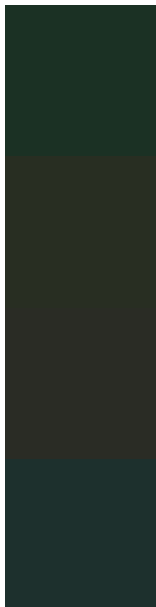
Deuteranopia

18, 5.755, 56.654



Tritanopia
18, 7.345, 214.567

Trichromacy



Original Color
18, 13.561, 155.640

Protanomaly
18, 8.747, 128.098

Deuteranomaly
18, 4.925, 120.514

Tritanomaly
18, 8.575, 183.632

Monochromacy



Original Color
18, 13.561, 155.640

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.188, 156.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.561, 155.640 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(27, 49, 36)` looks like.

```
.text, #text, p{  
    color:rgb(27, 49, 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(27, 49, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 49, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.561, 155.640 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(27, 49, 36) }
```

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

```
.border{ border-color:rgb(27, 49, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 49, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 49, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 49, 36);  
box-shadow:4px 4px 4px 4px rgb(27, 49, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.561, 155.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 49, 36) }
```

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

```
.background{ background-color: rgb(27, 49,  
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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