

Converting Colors

CIELCh(18, 8.250, 162.862)

Have a look what the booklet for
CIELCh(18, 8.250, 162.862) contains.

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Color

CIELCh(18, 8.160, 161.457)

Conversions

Conversions Part 1

Format	Color
Hex	212F28
RGB	33, 47, 40
RGB Percent	13%, 18%, 16%
CMY	0.8703, 0.8154, 0.8428
CMYK	0.30, 0.00, 0.15, 0.82
HSL	150°, 17%, 16%
HSV	150°, 30%, 18%
XYZ	2.0340, 2.5180, 2.3935
YIQ	42.0160, -6.0970, -5.1450

Conversions

Conversions Part 2

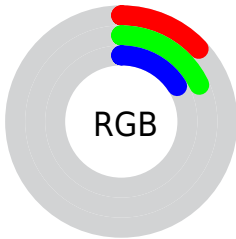
Format	Color
RYB	33, 42, 47
Decimal	2174760
CIELab	18.00, -7.74, 2.60
CIELCh	18, 8.160, 161.457
Yxy	2.5180, 0.2928, 0.3625
Android (android.graphics.Color)	4280364840 (0xFF212F28)
YUV	42.0160, -0.9939, -7.9070
Hunter-Lab	15.8683, -4.8900, 2.1649

Details

The CIELCh color **18, 8.160, 161.457** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 8.412, 345.838**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 8.360, 162.302**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 10.837, 160.565**, and if you desaturate by 10%, it is **18, 5.433, 162.271**.

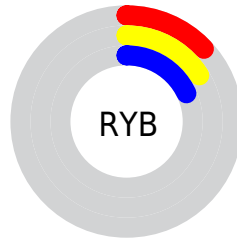
Distribution



Red (13%)

Green (18%)

Blue (16%)



Red (13%)

Yellow (16%)

Blue (18%)

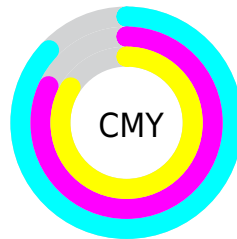


Cyan (30%)

Magenta (0%)

Yellow (15%)

Black (82%)



Cyan (87%)

Magenta (82%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 8.160, 161.457 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, 8.160, 161.457 by changing the saturation by 10% instead.

■ 18, 8.160, 161.457

■ 18, 8.160, 161.457

■ 100, 8.160,
161.457

■ 8, 8.160, 161.457

■ 38, 8.160, 161.457

■ 0, 8.160, 161.457

■ 48, 8.160, 161.457

■ 58, 8.160, 161.457

■ 68, 8.160, 161.457

■ 78, 8.160, 161.457

■ 88, 8.160, 161.457

■ 98, 8.160, 161.457

■ 18, 8.160, 161.457

■ 18, 8.160, 161.457

■ 18, 10.837,
160.565

■ 18, 5.433, 162.271

■ 17, 13.433,
159.585

■ 19, 2.681, 163.038

■ 17, 15.916,
158.501

■ 19, 0.074, 341.638

■ 17, 18.255,
157.299

■ 21, 5.517, 344.849

■ 16, 20.422,
155.968

■ 21, 8.181, 345.404

■ 16, 22.548,
154.785

■ 22, 10.794,
345.923

■ 16, 24.729,
153.894

■ 23, 13.350,
346.410

■ 16, 24.786,
153.875

■ 23, 15.847,
346.871

Harmonies

Complementary

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



18, 8.160, 161.457



15, 8.412, 345.838

Rectangle

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



18, 8.160, 161.457



18, 8.160, 211.457



18, 8.160, 341.457



18, 8.160, 31.457

Sweetspot

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



18, 8.161, 161.456



25, 3.088, 163.056



18, 10.124, 127.349



11, 2.095, 163.034



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 8.161, 161.456



24, 12.257, 160.725



18, 6.162, 196.667



7, 1.393, 163.113



32, 39.027, 151.075



76, 78.471, 148.895

Inverse Universe

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



15, 8.412, 345.838



19, 12.735, 346.574



14, 7.219, 19.986



7, 1.375, 344.189



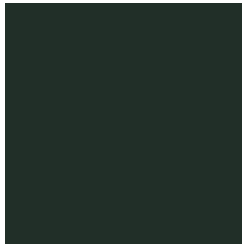
16, 38.930, 358.527



46, 74.246, 2.457

Previews

White Background



This preview shows how the CIELCh color 18, 8.160, 161.457 looks on a white background.

Color Contrast Check

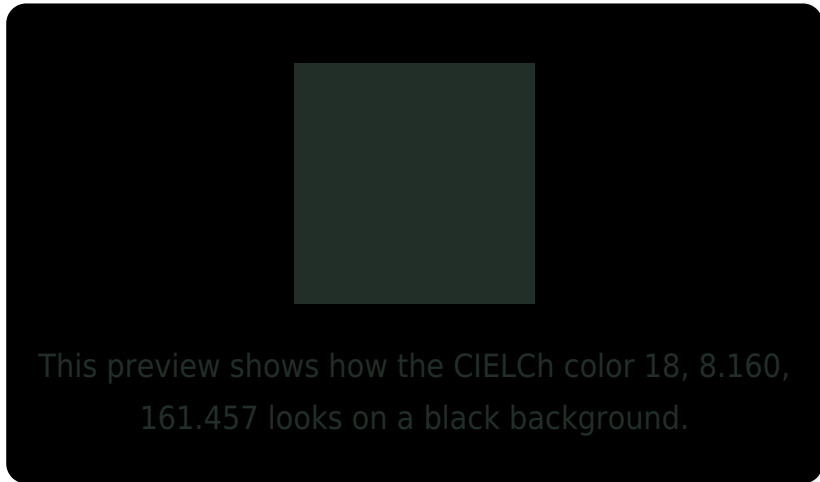
Large Text (above 18pt) WCAG AA ✓ Pass

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

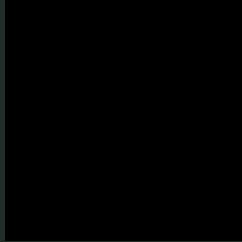
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

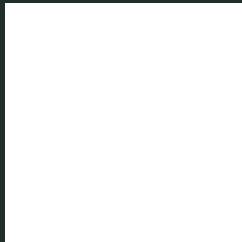
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 8.160, 161.457

Background



This preview shows how black text looks on a background with the CIELCh color 18, 8.160, 161.457.



This preview shows how white text looks on a background with the CIELCh color 18, 8.160, 161.457.

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, 8.160, 161.457

Protanopia

18, 4.238, 95.531

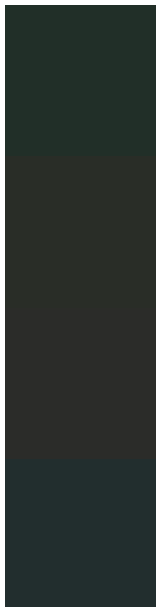
Deuteranopia

18, 3.514, 31.361



Tritanopia
18, 5.166, 222.300

Trichromacy



Original Color
18, 8.160, 161.457

Protanomaly
18, 4.578, 134.220

Deuteranomaly
18, 2.126, 122.764

Tritanomaly
18, 5.340, 198.331

Monochromacy



Original Color
18, 8.160, 161.457

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 3.178, 157.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 8.160, 161.457 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(33, 47, 40)` looks like.

```
.text, #text, p{  
  color:rgb(33, 47, 40)  
}
```

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(33, 47, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 47, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 8.160, 161.457 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(33, 47, 40) }
```

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

```
.border{ border-color:rgb(33, 47, 40) }
```

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

Here you see how a box with a 4 pixel rgb(33, 47, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 47, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 47, 40);  
box-shadow:4px 4px 4px 4px rgb(33, 47, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 8.160, 161.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 47, 40) }
```

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

```
.background{ background-color: rgb(33, 47,  
40) }
```

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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