

Converting Colors

CIELCh(22, 15.233, 158.757)

Have a look what the booklet for
CIELCh(22, 15.233, 158.757)
contains.

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Color

CIELCh(22, 15.233, 158.757)

Conversions

Conversions Part 1

Format	Color
Hex	1F3A2C
RGB	31, 58, 44
RGB Percent	12%, 23%, 17%
CMY	0.8779, 0.7720, 0.8270
CMYK	0.46, 0.00, 0.24, 0.77
HSL	149°, 30%, 18%
HSV	149°, 46%, 23%
XYZ	2.5455, 3.5154, 2.9395
YIQ	48.3310, -11.5980, -10.0780

Conversions

Conversions Part 2

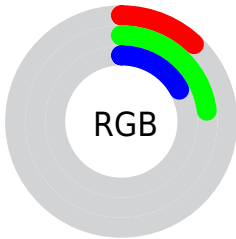
Format	Color
R_{YB}	31, 49, 58
Decimal	2046508
CIE Lab	22.00, -14.20, 5.52
CIE LCh	22, 15.233, 158.757
Yxy	3.5154, 0.2828, 0.3906
Android (android.graphics.Color)	4280236588 (0xFF1F3A2C)
YUV	48.3310, -2.1352, -15.1993
Hunter-Lab	18.7494, -8.5772, 3.8291

Details

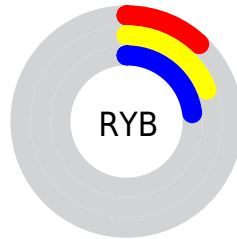
The CIELCh color **22, 15.233, 158.757** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 15.894, 346.530**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 15.086, 157.845**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 18.269, 157.639**, and if you desaturate by 10%, it is **22, 12.063, 159.761**.

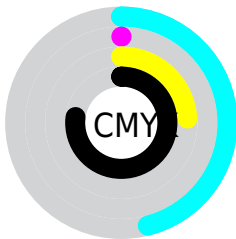
Distribution



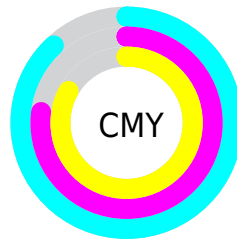
- Red (12%)
- Green (23%)
- Blue (17%)



- Red (12%)
- Yellow (19%)
- Blue (23%)



- Cyan (46%)
- Magenta (0%)
- Yellow (24%)
- Black (77%)





- Cyan (88%)
- Magenta (77%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 15.233, 158.757 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 22, 15.233, 158.757 by changing the saturation by 10% instead.

 22, 15.233,
158.757


 22, 15.233,
158.757

 100, 15.233,
158.757


 12, 15.233,
158.757


 42, 15.233,
158.757


 2, 15.233, 158.757


 52, 15.233,
158.757

 0, 15.233, 158.757

 62, 15.233,
158.757

 72, 15.233,
158.757

 82, 15.233,
158.757

 92, 15.233,

158.757

■ 22, 15.233,
158.757

■ 22, 15.233,
158.757

■ 22, 18.269,
157.639

■ 22, 12.063,
159.761

■ 21, 21.129,
156.392

■ 23, 8.801, 160.668

■ 21, 23.773,
155.001

■ 23, 5.484, 161.496

■ 21, 26.192,
153.491

■ 24, 2.148, 162.288

■ 21, 28.590,
152.210

■ 25, 4.478, 343.482

■ 21, 29.448,
151.824

■ 26, 7.728, 344.080

■ 27, 10.917,

344.629

■ 28, 14.036,
345.141

Harmonies

Complementary

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



22, 15.233, 158.757



16, 15.894, 346.530

Rectangle

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



22, 15.233, 158.757



22, 15.233, 208.757



22, 15.233, 338.757



22, 15.233, 28.757

Sweetspot

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



22, 15.233, 158.756



31, 5.869, 161.637



23, 18.665, 125.992



15, 3.977, 161.577



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 15.233, 158.756



29, 22.708, 157.365



22, 10.871, 194.278



10, 1.790, 162.140



34, 41.521, 149.957



77, 81.462, 147.946

Inverse Universe

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



16, 15.894, 346.530



20, 23.824, 347.948



15, 14.164, 20.825



9, 1.807, 343.175



18, 40.663, 357.264



47, 75.806, 0.742

Previews

White Background



This preview shows how the CIE LCh color 22, 15.233, 158.757 looks on a white background.

Color Contrast Check

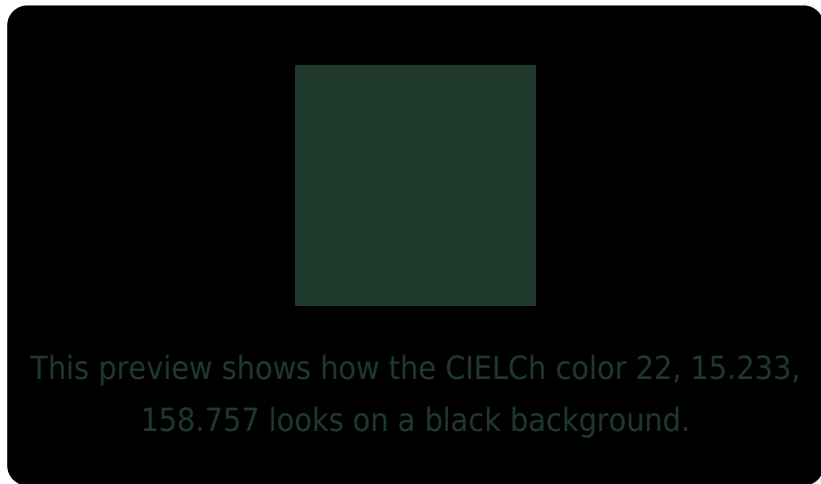
Large Text (above 18pt) WCAG AA ✓ Pass

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

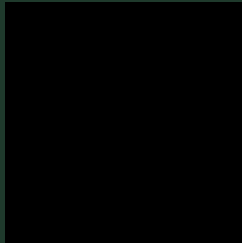
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 15.233, 158.757

Background



This preview shows how black text looks on a background with the CIELCh color 22, 15.233, 158.757.

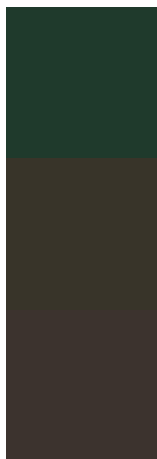


This preview shows how white text looks on a background with the CIELCh color 22, 15.233, 158.757.

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

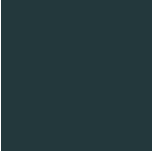
22, 15.233, 158.757

Protanopia

22, 7.621, 93.303

Deuteranopia

22, 5.553, 56.878



Tritanopia
22, 8.762, 216.000

Trichromacy



Original Color
22, 15.233, 158.757

Protanomaly
22, 8.715, 131.105

Deuteranomaly
22, 6.317, 126.447

Tritanomaly
22, 9.898, 185.796

Monochromacy



Original Color
22, 15.233, 158.757

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 5.755, 162.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 15.233, 158.757 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(31, 58, 44)` looks like.

```
.text, #text, p{  
    color:rgb(31, 58, 44)  
}
```

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(31, 58, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 58, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 15.233, 158.757 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(31, 58, 44) }
```

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

```
.border{ border-color:rgb(31, 58, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 58, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 58, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 58, 44);  
box-shadow:4px 4px 4px 4px rgb(31, 58, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 15.233, 158.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 58, 44) }
```

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

```
.background{ background-color: rgb(31, 58,  
44) }
```

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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