

Converting Colors

CIELCh(22, 11.533, 189.408)

Have a look what the booklet for
CIELCh(22, 11.533, 189.408)
contains.

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Color

CIELCh(22, 11.377, 190.512)

Conversions

Conversions Part 1

Format	Color
Hex	1D3937
RGB	29, 57, 55
RGB Percent	11%, 22%, 22%
CMY	0.8846, 0.7748, 0.7827
CMYK	0.49, 0.00, 0.03, 0.77
HSL	176°, 32%, 17%
HSV	176°, 49%, 23%
XYZ	2.7024, 3.5154, 4.2031
YIQ	48.4000, -16.0460, -6.5580

Conversions

Conversions Part 2

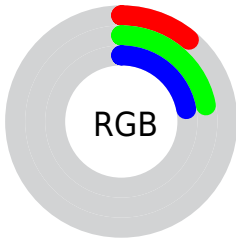
Format	Color
R_YB	29, 44, 57
Decimal	1915191
CIE Lab	22.00, -11.19, -2.08
CIE LCh	22, 11.377, 190.512
Yxy	3.5154, 0.2593, 0.3373
Android (android.graphics.Color)	4280105271 (0xFF1D3937)
YUV	48.4000, 3.2538, -17.0138
Hunter-Lab	18.7494, -7.0838, -0.1666

Details

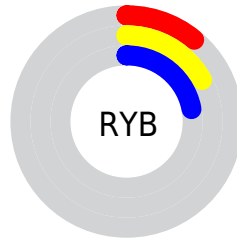
The CIELCh color **22, 11.377, 190.512** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 14.697, 18.277**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 11.280, 191.864**, and **3, 3.797, 185.694** is the 20% darker color. If you saturate the color by 10%, you get **22, 13.177, 189.894**, and if you desaturate by 10%, it is **22, 9.356, 191.123**.

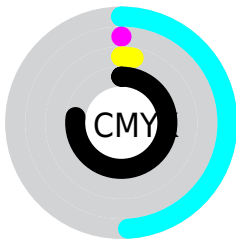
Distribution



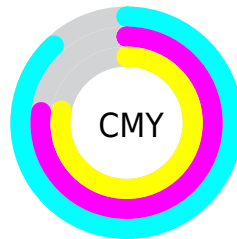
- Red (11%)
- Green (22%)
- Blue (22%)



- Red (11%)
- Yellow (17%)
- Blue (22%)



- Cyan (49%)
- Magenta (0%)
- Yellow (3%)
- Black (77%)





- Cyan (88%)
- Magenta (77%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 11.377, 190.512 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, 11.377, 190.512 by changing the saturation by 10% instead.

 22, 11.377,
190.512


 22, 11.377,
190.512

 100, 11.377,
190.512


 12, 11.377,
190.512


 42, 11.377,
190.512


 2, 11.377, 190.512

 52, 11.377,
190.512

 0, 11.377, 190.512

 62, 11.377,
190.512

 72, 11.377,
190.512

 82, 11.377,
190.512

 92, 11.377,

190.512

■ 22, 11.377,
190.512

■ 22, 11.377,
190.512

■ 22, 13.177,
189.894

■ 22, 9.356, 191.123

■ 21, 14.728,
189.271

■ 23, 7.143, 191.739

■ 23, 4.771, 192.364

■ 21, 16.012,
188.632

■ 24, 2.271, 193.028

■ 21, 17.081,
187.988

■ 24, 0.327, 12.854

■ 25, 2.997, 14.081

■ 21, 18.165,
187.403

■ 25, 5.715, 14.730

■ 21, 18.302,
187.335

■ 26, 8.462, 15.355

Harmonies

Complementary

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



22, 11.377, 190.512



15, 14.697, 18.277

Rectangle

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



22, 11.377, 190.512



22, 11.377, 240.512



22, 11.377, 10.512



22, 11.377, 60.512

Sweetspot

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



22, 11.377, 190.510



30, 4.742, 192.560



21, 22.099, 139.371



15, 3.262, 192.515



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, 11.377, 190.510



28, 16.135, 189.712



18, 10.023, 252.658



10, 1.409, 193.062



35, 25.184, 186.658



79, 47.678, 185.898

Inverse Universe

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



15, 14.697, 18.277



18, 22.525, 20.586



18, 12.065, 61.540



9, 1.465, 13.916



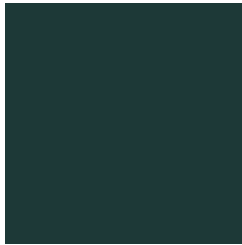
17, 44.803, 31.584



46, 90.402, 37.603

Previews

White Background



This preview shows how the CIELCh color 22, 11.377, 190.512 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



This preview shows how the CIELCh color 22, 11.377, 190.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

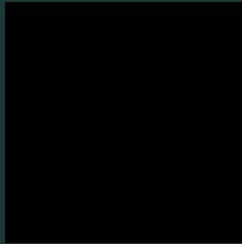
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 11.377, 190.512

Background



This preview shows how black text looks on a background with the CIELCh color 22, 11.377, 190.512.



This preview shows how white text looks on a background with the CIELCh color 22, 11.377, 190.512.

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](#).

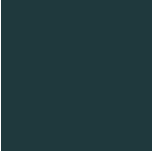
Dichromacy



Original Color
22, 11.377, 190.512

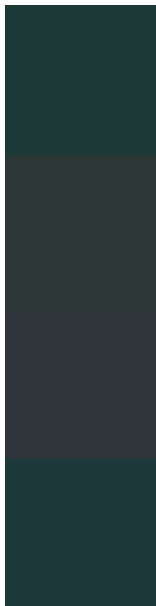
Protanopia
22, 0.464, 19.032

Deuteranopia
22, 4.651, 320.187



Tritanopia
22, 10.349, 212.890

Trichromacy



Original Color
22, 11.377, 190.512

Protanomaly
22, 4.514, 189.986

Deuteranomaly
22, 3.634, 232.845

Tritanomaly
22, 10.621, 204.910

Monochromacy



Original Color
22, 11.377, 190.512

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 4.536, 189.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 11.377, 190.512 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(29, 57, 55)` looks like.

```
.text, #text, p{  
    color:rgb(29, 57, 55)  
}
```

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(29, 57, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 57, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 11.377, 190.512 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(29, 57, 55) }
```

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

```
.border{ border-color:rgb(29, 57, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 57, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 57, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 57, 55);  
box-shadow:4px 4px 4px 4px rgb(29, 57, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 11.377, 190.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 57, 55) }
```

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

```
.background{ background-color: rgb(29, 57,  
55) }
```

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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