

Converting Colors

CIELCh(18, 11.198, 22.012)

Have a look what the booklet for
CIELCh(18, 11.198, 22.012) contains.

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Color

CIELCh(18, 11.238, 22.120)

Conversions

Conversions Part 1

Format	Color
Hex	3C2626
RGB	60, 38, 38
RGB Percent	24%, 15%, 15%
CMY	0.7634, 0.8498, 0.8498
CMYK	0.00, 0.37, 0.37, 0.76
HSL	0°, 22%, 19%
HSV	0°, 37%, 24%
XYZ	2.9405, 2.5180, 2.1898
YIQ	44.5780, 13.1120, 4.6640

Conversions

Conversions Part 2

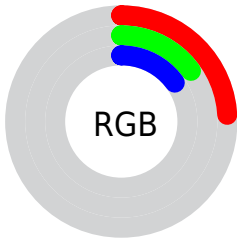
Format	Color
R_{YB}	60, 38, 38
Decimal	3941926
CIE _{Lab}	18.00, 10.41, 4.23
CIE _{LCh}	18, 11.238, 22.120
Yxy	2.5180, 0.3845, 0.3292
Android (android.graphics.Color)	4282132006 (0xFF3C2626)
YUV	44.5780, -3.2430, 13.5251
Hunter-Lab	15.8683, 5.3072, 2.9259

Details

The CIELCh color **18, 11.238, 22.120** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.043, 197.880**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.134, 21.010**, and **0, 0.832, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.756, 23.364**, and if you desaturate by 10%, it is **20, 7.898, 21.138**.

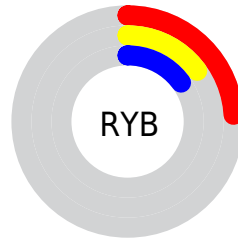
Distribution



Red (24%)

Green (15%)

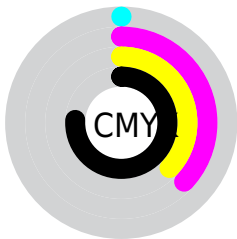
Blue (15%)



Red (24%)

Yellow (15%)

Blue (15%)

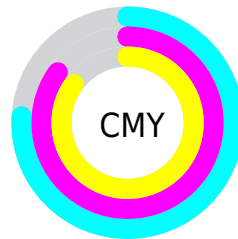


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (76%)



Cyan (76%)

Magenta (85%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.238, 22.120 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, 11.238, 22.120 by changing the saturation by 10% instead.

 18, 11.238, 22.120

 18, 11.238, 22.120

 100, 11.238,
22.120

 8, 11.238, 22.120

 38, 11.238, 22.120

 0, 11.238, 22.120

 48, 11.238, 22.120

 58, 11.238, 22.120

 68, 11.238, 22.120

 78, 11.238, 22.120

 88, 11.238, 22.120

 98, 11.238, 22.120

18, 11.238, 22.120

18, 11.238, 22.120

16, 14.756, 23.364

20, 7.898, 21.138

14, 18.417, 24.925

22, 4.756, 20.342

13, 22.128, 26.712

24, 1.814, 19.639

11, 25.407, 27.231

26, 0.936, 199.522

10, 28.092, 26.925

28, 3.505, 198.929

9, 30.787, 26.152

30, 5.909, 198.568

9, 31.788, 25.774

33, 8.165, 198.282

35, 10.286,
198.047

37, 12.289,
197.851

Harmonies

Complementary

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



18, 11.238, 22.120



24, 9.043, 197.880

Rectangle

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



18, 11.238, 22.120



18, 11.238, 72.120



18, 11.238, 202.120



18, 11.238, 252.120

Sweetspot

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



18, 11.237, 22.125



31, 3.901, 19.991



19, 17.824, 326.147



15, 2.649, 20.019



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 11.237, 22.125



23, 17.463, 23.300



21, 9.369, 71.491



10, 1.574, 19.779



17, 47.176, 34.880



46, 94.130, 40.002

Inverse Universe

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



24, 9.043, 197.880



31, 13.169, 197.546



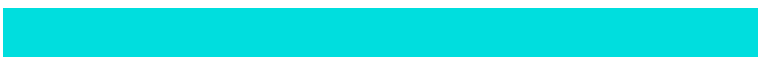
20, 8.581, 260.453



11, 1.503, 199.130



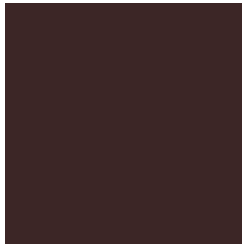
36, 24.207, 196.421



80, 45.095, 196.423

Previews

White Background



This preview shows how the CIELCh color 18, 11.238, 22.120 looks on a white background.

Color Contrast Check

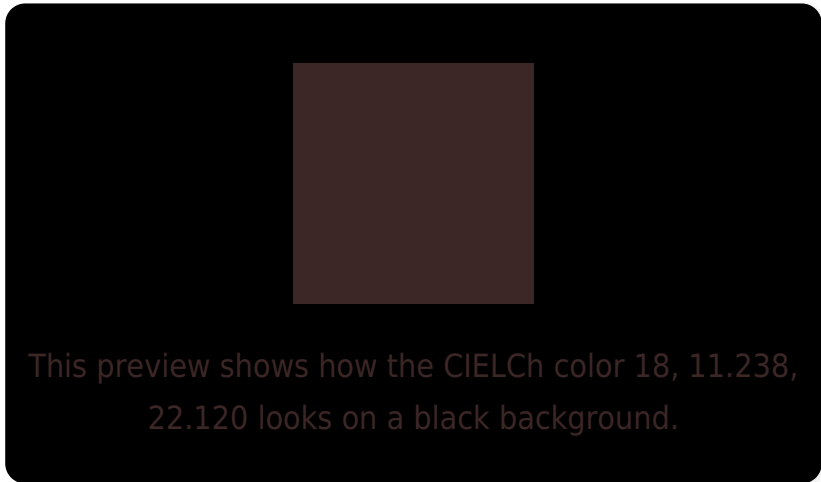
Large Text (above 18pt) WCAG AA ✓ Pass

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

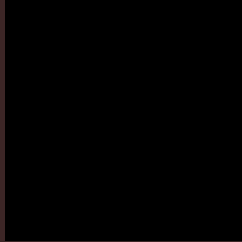
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 11.238, 22.120

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.238, 22.120.

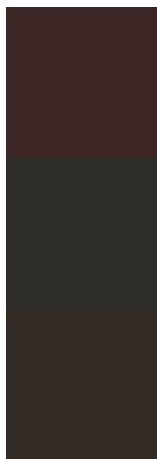


This preview shows how white text looks on a background with the CIELCh color 18, 11.238, 22.120.

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, 11.238, 22.120

Protanopia

18, 2.275, 84.253

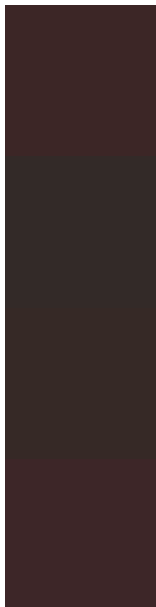
Deuteranopia

18, 5.323, 59.952



Tritanopia
18, 11.648, 12.289

Trichromacy



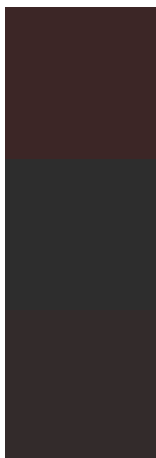
Original Color
18, 11.238, 22.120

Protanomaly
18, 4.699, 37.240

Deuteranomaly
18, 6.951, 37.894

Tritanomaly
18, 11.642, 15.627

Monochromacy



Original Color
18, 11.238, 22.120

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.905, 20.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.238, 22.120 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(60, 38, 38)` looks like.

```
.text, #text, p{  
    color:rgb(60, 38, 38)  
}
```

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(60, 38, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 38, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.238, 22.120 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(60, 38, 38) }
```

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

```
.border{ border-color:rgb(60, 38, 38) }
```

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

Here you see how a box with a 4 pixel rgb(60, 38, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 38, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 38, 38);  
box-shadow:4px 4px 4px 4px rgb(60, 38, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.238, 22.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 38, 38) }
```

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

```
.background{ background-color: rgb(60, 38,  
38) }
```

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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