

Converting Colors

CIELCh(18, 22.167, 118.964)

Have a look what the booklet for
CIELCh(18, 22.167, 118.964)
contains.

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Color

CIELCh(18, 22.539, 118.565)

Conversions

Conversions Part 1

Format	Color
Hex	26300E
RGB	38, 48, 14
RGB Percent	15%, 19%, 5%
CMY	0.8524, 0.8133, 0.9468
CMYK	0.21, 0.00, 0.72, 0.81
HSL	78°, 56%, 12%
HSV	78°, 72%, 19%
XYZ	1.9032, 2.5180, 0.7858
YIQ	41.1340, 4.9540, -12.6940

Conversions

Conversions Part 2

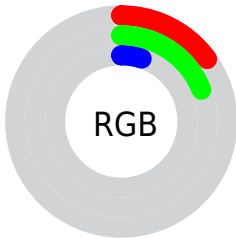
Format	Color
R_{YB}	14, 48, 24
Decimal	2502670
CIE _{Lab}	18.00, -10.78, 19.80
CIE _{LCh}	18, 22.539, 118.565
Yxy	2.5180, 0.3655, 0.4836
Android (android.graphics.Color)	4280692750 (0xFF26300E)
YUV	41.1340, -13.3771, -2.7485
Hunter-Lab	15.8683, -6.3609, 8.1720

Details

The CIELCh color **18, 22.539, 118.565** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 25.523, 305.531**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 22.690, 118.464**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 24.731, 118.868**, and if you desaturate by 10%, it is **18, 19.836, 118.681**.

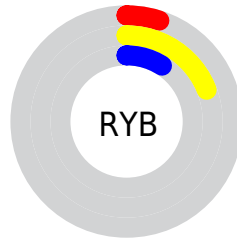
Distribution



Red (15%)

Green (19%)

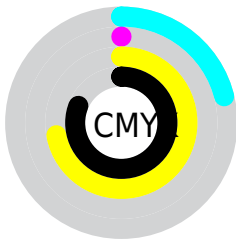
Blue (5%)



Red (5%)

Yellow (19%)

Blue (9%)

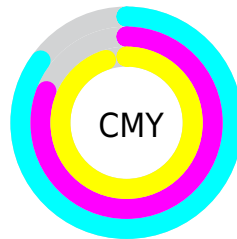


Cyan (21%)

Magenta (0%)

Yellow (72%)

Black (81%)



Cyan (85%)


Magenta (81%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 22.539, 118.565 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, 22.539, 118.565 by changing the saturation by 10% instead.

 18, 22.539,
118.565

 18, 22.539,
118.565


 100, 22.539,
118.565


 8, 22.539, 118.565


 38, 22.539,
118.565

 0, 22.539, 118.565

 48, 22.539,
118.565


 58, 22.539,
118.565


 68, 22.539,
118.565


 78, 22.539,
118.565

 88, 22.539,


118.565


 98, 22.539,
118.565


 18, 22.539,
118.565


 18, 22.539,
118.565


 18, 24.731,
118.868


 18, 19.836,
118.681

 18, 26.791,
119.239

 18, 16.799,
119.090

 18, 28.548,
119.532

 19, 13.642,
119.548

 19, 10.407,
120.031

 19, 7.125, 120.523

■ 19, 3.817, 121.011

■ 20, 0.500, 121.515

■ 20, 2.816, 301.931

■ 20, 6.120, 302.371

Harmonies

Complementary

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



18, 22.539, 118.565



6, 25.523, 305.531

Rectangle

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



18, 22.539, 118.565



18, 22.539, 168.565



18, 22.539, 298.565



18, 22.539, 348.565

Sweetspot

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



18, 22.539, 118.567



25, 8.588, 120.493



11, 15.690, 44.780



11, 5.674, 120.489



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, 22.539, 118.567



24, 32.049, 118.166



17, 25.769, 135.259



8, 1.654, 121.907



33, 46.188, 118.480



79, 89.509, 119.695

Inverse Universe

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



6, 25.523, 305.531



6, 38.221, 307.253



9, 26.528, 320.661



7, 1.654, 301.194



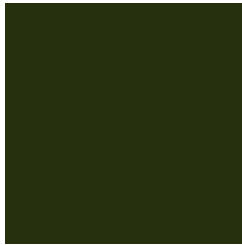
8, 58.694, 308.968



29, 114.107, 308.154

Previews

White Background



This preview shows how the CIE LCh color 18, 22.539, 118.565 looks on a white background.

Color Contrast Check

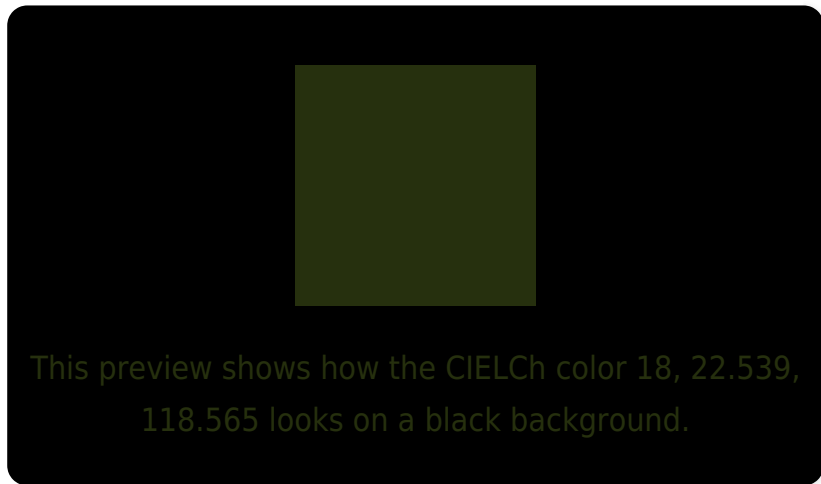
Large Text (above 18pt) WCAG AA ✓ Pass

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

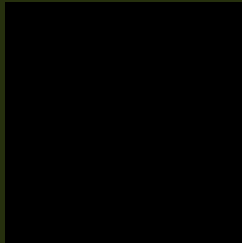
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 22.539, 118.565

Background



This preview shows how black text looks on a background with the CIELCh color 18, 22.539, 118.565.



This preview shows how white text looks on a background with the CIELCh color 18, 22.539, 118.565.

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, 22.539, 118.565

Protanopia

18, 20.308, 97.141

Deuteranopia

18, 19.034, 82.970



Tritanopia
18, 3.055, 264.417

Trichromacy



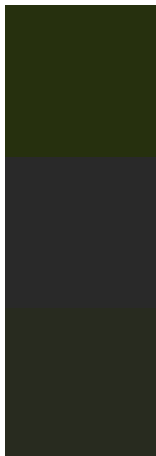
Original Color
18, 22.539, 118.565

Protanomaly
18, 20.642, 104.991

Deuteranomaly
18, 19.313, 96.964

Tritanomaly
18, 7.314, 128.255

Monochromacy



Original Color
18, 22.539, 118.565

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 8.408, 118.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 22.539, 118.565 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(38, 48, 14)` looks like.

```
.text, #text, p{  
    color:rgb(38, 48, 14)  
}
```

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(38, 48, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 48, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 22.539, 118.565 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(38, 48, 14) }
```

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

```
.border{ border-color:rgb(38, 48, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 48, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 48, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 48, 14);  
box-shadow:4px 4px 4px 4px rgb(38, 48, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 22.539, 118.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 48, 14) }
```

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

```
.background{ background-color: rgb(38, 48,  
14) }
```

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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