

Converting Colors

CIELCh(22, 25.383, 118.951)

Have a look what the booklet for
CIELCh(22, 25.383, 118.951)
contains.

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Color

CIELCh(22, 25.360, 118.977)

Conversions

Conversions Part 1

Format	Color
Hex	2D3912
RGB	45, 57, 18
RGB Percent	18%, 22%, 7%
CMY	0.8239, 0.7769, 0.9298
CMYK	0.21, 0.00, 0.69, 0.78
HSL	78°, 52%, 15%
HSV	78°, 69%, 22%
XYZ	2.6444, 3.5154, 1.1074
YIQ	48.9660, 5.3670, -14.6730

Conversions

Conversions Part 2

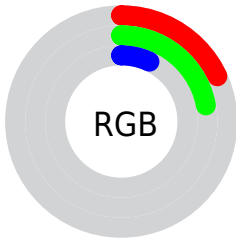
Format	Color
RYB	18, 57, 30
Decimal	2963730
CIELab	22.00, -12.29, 22.19
CIELCh	22, 25.360, 118.977
Yxy	3.5154, 0.3639, 0.4837
Android (android.graphics.Color)	4281153810 (0xFF2D3912)
YUV	48.9660, -15.2662, -3.4782
Hunter-Lab	18.7494, -7.6360, 9.6228

Details

The CIELCh color **22, 25.360, 118.977** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 28.983, 306.611**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 25.339, 119.021**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 28.378, 118.809**, and if you desaturate by 10%, it is **22, 22.013, 119.313**.

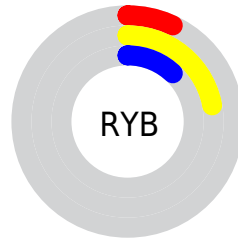
Distribution



Red (18%)

Green (22%)

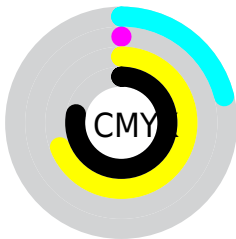
Blue (7%)



Red (7%)

Yellow (22%)

Blue (12%)

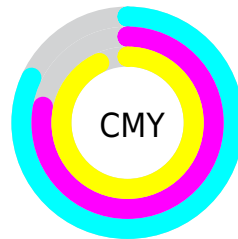


Cyan (21%)

Magenta (0%)

Yellow (69%)

Black (78%)



Cyan (82%)


Magenta (78%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 25.360, 118.977 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, 25.360, 118.977 by changing the saturation by 10% instead.

 22, 25.360,
118.977


 22, 25.360,
118.977

 100, 25.360,
118.977


 12, 25.360,
118.977


 42, 25.360,
118.977


 2, 25.360, 118.977

 52, 25.360,
118.977

 0, 25.360, 118.977

 62, 25.360,
118.977

 72, 25.360,
118.977

 82, 25.360,
118.977

 92, 25.360,

118.977

■ 22, 25.360,
118.977

■ 22, 25.360,
118.977

■ 22, 28.378,
118.809

■ 22, 22.013,
119.313

■ 22, 30.873,
118.992

■ 22, 18.456,
119.734

■ 21, 33.325,
119.193

■ 23, 14.762,
120.204

■ 21, 33.687,
119.221

■ 23, 10.981,
120.698

■ 23, 7.149, 121.198

■ 24, 3.292, 121.693

■ 24, 0.571, 302.125

■ 24, 4.427, 302.614

■ 25, 8.266, 303.048

Harmonies

Complementary

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



22, 25.360, 118.977



9, 28.983, 306.611

Rectangle

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



22, 25.360, 118.977



22, 25.360, 168.977



22, 25.360, 298.977



22, 25.360, 348.977

Sweetspot

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



22, 25.360, 118.979



31, 10.079, 121.025



15, 18.072, 48.595



15, 6.886, 120.985



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, 25.360, 118.979



29, 36.099, 118.761



21, 29.026, 135.323



10, 2.112, 121.704



35, 48.270, 119.257



80, 91.525, 120.418

Inverse Universe

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



9, 28.983, 306.611



10, 43.104, 307.832



12, 29.601, 321.173



9, 2.143, 302.497



9, 60.963, 309.097



30, 115.878, 308.326

Previews

White Background



This preview shows how the CIELCh color 22, 25.360, 118.977 looks on a white background.

Color Contrast Check

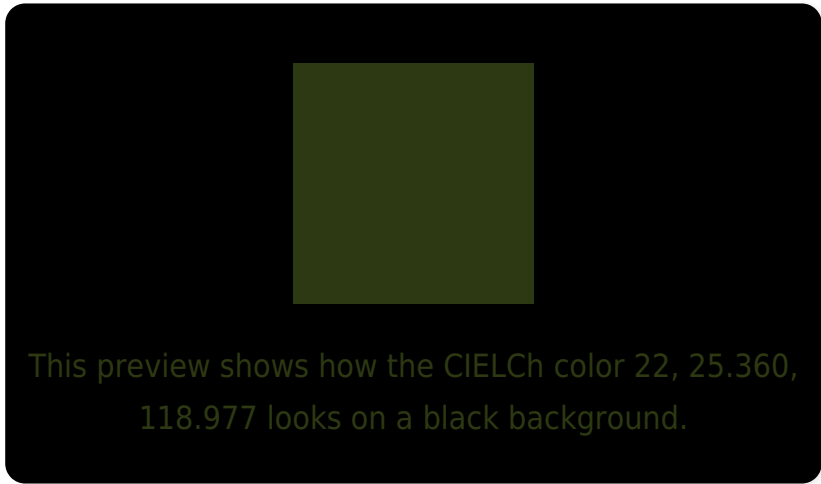
Large Text (above 18pt) WCAG AA ✓ Pass

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

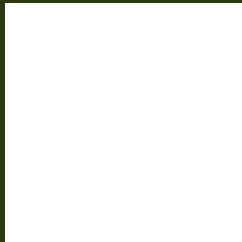
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 25.360, 118.977

Background



This preview shows how black text looks on a background with the CIELCh color 22, 25.360, 118.977.



This preview shows how white text looks on a background with the CIELCh color 22, 25.360, 118.977.

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, 25.360, 118.977

Protanopia

22, 23.229, 96.752

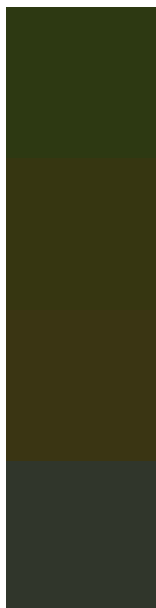
Deuteranopia

22, 21.706, 81.615



Tritanopia
22, 3.183, 257.062

Trichromacy



Original Color
22, 25.360, 118.977

Protanomaly
22, 23.483, 104.784

Deuteranomaly
22, 22.032, 98.038

Tritanomaly
22, 7.909, 129.886

Monochromacy



Original Color
22, 25.360, 118.977

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.578, 119.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 25.360, 118.977 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(45, 57, 18)` looks like.

```
.text, #text, p{  
    color:rgb(45, 57, 18)  
}
```

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(45, 57, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 57, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 25.360, 118.977 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(45, 57, 18) }
```

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

```
.border{ border-color:rgb(45, 57, 18) }
```

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

Here you see how a box with a 4 pixel rgb(45, 57, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 57, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 57, 18);  
box-shadow:4px 4px 4px 4px rgb(45, 57, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 25.360, 118.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 57, 18) }
```

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

```
.background{ background-color: rgb(45, 57,  
18) }
```

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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