

Converting Colors

CIELCh(26, 42.342, 127.670)

Have a look what the booklet for
CIELCh(26, 42.342, 127.670)
contains.

CIELCh(26, 42.085, 127.595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(26, 42.085, 127.595)

Conversions

Conversions Part 1

Format	Color
Hex	214601
RGB	33, 70, 1
RGB Percent	13%, 27%, 0%
CMY	0.8695, 0.7244, 0.9950
CMYK	0.53, 0.00, 0.98, 0.72
HSL	92°, 96%, 14%
HSV	92°, 98%, 28%
XYZ	2.8513, 4.7465, 0.8027
YIQ	51.0710, 0.0970, -29.3030

Conversions

Conversions Part 2

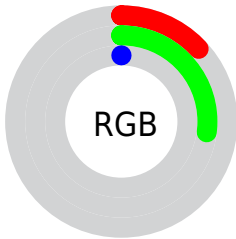
Format	Color
R_YB	1, 70, 38
Decimal	2180609
CIE Lab	26.00, -25.68, 33.35
CIE LCh	26, 42.085, 127.595
Yxy	4.7465, 0.3394, 0.5650
Android (android.graphics.Color)	4280370689 (0xFF214601)
YUV	51.0710, -24.6850, -15.8483
Hunter-Lab	21.7865, -14.7653, 13.0660

Details

The CIELCh color **26, 42.085, 127.595** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 47.530, 313.869**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **46, 42.193, 127.829**, and **8, 19.932, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **26, 42.673, 127.580**, and if you desaturate by 10%, it is **26, 38.869, 127.630**.

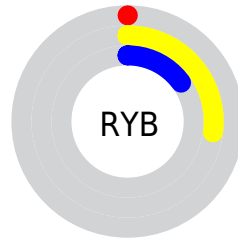
Distribution



Red (13%)

Green (27%)

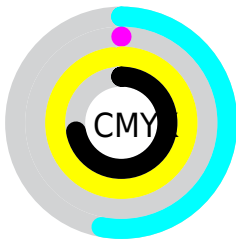
Blue (0%)



Red (0%)

Yellow (27%)

Blue (15%)

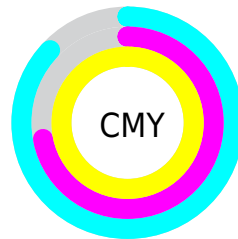


Cyan (53%)

Magenta (0%)

Yellow (98%)

Black (72%)



Cyan (87%)


Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 26, 42.085, 127.595 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 26, 42.085, 127.595 by changing the saturation by 10% instead.

 26, 42.085,
127.595


 26, 42.085,
127.595

 100, 42.085,
127.595


 16, 42.085,
127.595


 46, 42.085,
127.595


 6, 42.085, 127.595

 56, 42.085,
127.595

 0, 42.085, 127.595

 66, 42.085,
127.595

 76, 42.085,
127.595

 86, 42.085,
127.595

 96, 42.085,

127.595

■ 26, 42.085,
127.595

■ 26, 42.085,
127.595

■ 26, 42.673,
127.580

■ 26, 38.869,
127.630

■ 27, 35.587,
127.539

■ 27, 31.768,
127.670

■ 27, 27.544,
127.958

■ 28, 23.047,
128.336

■ 28, 18.375,
128.757

■ 28, 13.600,
129.190

■ 29, 8.775, 129.616

■ 29, 3.938, 130.028

Harmonies

Complementary

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



26, 42.085, 127.595



8, 47.530, 313.869

Rectangle

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



26, 42.085, 127.595



26, 42.085, 177.595



26, 42.085, 307.595



26, 42.085, 357.595

Sweetspot

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



26, 42.085, 127.596



37, 17.468, 129.103



19, 29.526, 65.718



18, 11.805, 129.017



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



26, 42.085, 127.596



34, 51.723, 128.058



25, 45.771, 137.071



14, 2.721, 130.010



37, 54.784, 128.227



81, 101.269, 129.404

Inverse Universe

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



8, 47.530, 313.869



12, 58.309, 313.531



14, 44.100, 329.406



13, 2.751, 310.637



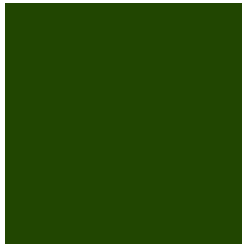
14, 61.716, 313.416



37, 113.526, 312.602

Previews

White Background



This preview shows how the CIELCh color 26, 42.085, 127.595 looks on a white background.

Color Contrast Check

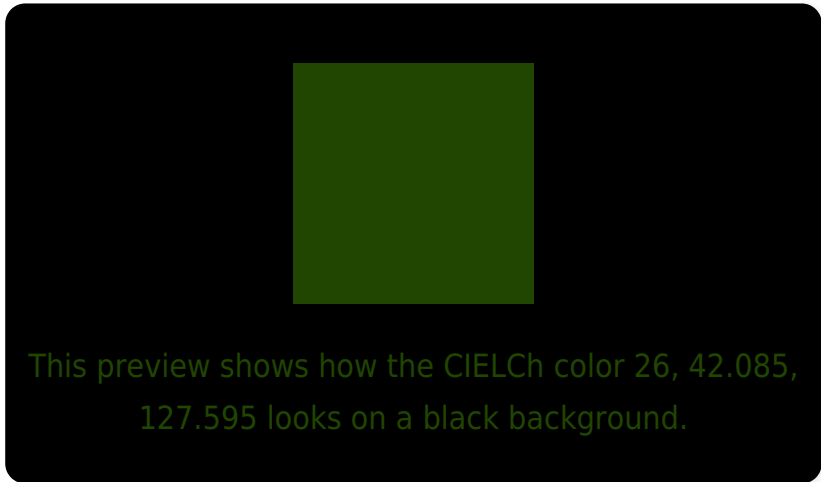
Large Text (above 18pt) WCAG AA ✓ Pass

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

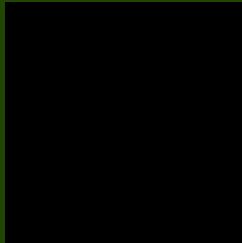
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 26, 42.085, 127.595

Background



This preview shows how black text looks on a background with the CIELCh color 26, 42.085, 127.595.



This preview shows how white text looks on a background with the CIELCh color 26, 42.085, 127.595.

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

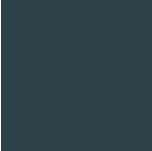
26, 42.085, 127.595

Protanopia

26, 35.113, 95.883

Deuteranopia

26, 29.486, 82.569



Tritanopia
26, 9.340, 223.234

Trichromacy



Original Color
26, 42.085, 127.595

Protanomaly
26, 36.318, 109.692

Deuteranomaly
25, 31.119, 103.673

Tritanomaly
26, 18.592, 149.290

Monochromacy



Original Color
26, 42.085, 127.595

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 17.564, 128.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 26, 42.085, 127.595 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(33, 70, 1)` looks like.

```
.text, #text, p{  
    color:rgb(33, 70, 1)  
}
```

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(33, 70, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 70, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 26, 42.085, 127.595 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(33, 70, 1) }
```

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

```
.border{ border-color:rgb(33, 70, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 70, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 70, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 70, 1); box-shadow:4px  
4px 4px 4px rgb(33, 70, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 26, 42.085, 127.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 70, 1) }
```

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

```
.background{ background-color: rgb(33, 70,  
1) }
```

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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