

Converting Colors

CIELCh(25, 48.002, 138.744)

Have a look what the booklet for
CIELCh(25, 48.002, 138.744)
contains.

CIELCh(25, 46.806, 136.801)	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(25, 46.806, 136.801)

Conversions

Conversions Part 1

Format	Color
Hex	004601
RGB	0, 70, 1
RGB Percent	0%, 27%, 0%
CMY	1.0000, 0.7243, 0.9949
CMYK	1.00, 0.00, 0.98, 0.72
HSL	121°, 100%, 14%
HSV	121°, 100%, 28%
XYZ	2.2051, 4.4155, 0.7735
YIQ	41.2040, -19.5710, -36.2990

Conversions

Conversions Part 2

Format	Color
RYB	0, 69, 70
Decimal	17921
CIELab	25.00, -34.12, 32.04
CIELCh	25, 46.806, 136.801
Yxy	4.4155, 0.2982, 0.5972
Android (android.graphics.Color)	4278208001 (0xFF004601)
YUV	41.2040, -19.8206, -36.1359
Hunter-Lab	21.0130, -18.0415, 12.5267

Details

The CIELCh color **25, 46.806, 136.801** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 45.095, 328.904**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 46.315, 136.832**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 46.701, 136.641**, and if you desaturate by 10%, it is **25, 43.586, 137.441**.

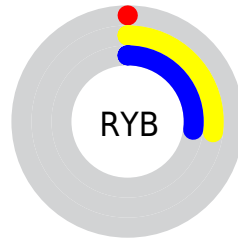
Distribution



Red (0%)

Green (27%)

Blue (0%)



Red (0%)

Yellow (27%)

Blue (27%)

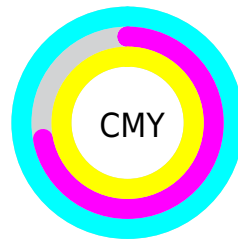


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (72%)



Cyan (100%)


Magenta (72%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 46.806, 136.801 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 25, 46.806, 136.801 by changing the saturation by 10% instead.

 25, 46.806,
136.801


 25, 46.806,
136.801

 100, 46.806,
136.801


 15, 46.806,
136.801


 45, 46.806,
136.801


 5, 46.806, 136.801

 55, 46.806,
136.801

 0, 46.806, 136.801

 65, 46.806,
136.801

 75, 46.806,
136.801

 85, 46.806,
136.801

 95, 46.806,

136.801

■ 25, 46.806,
136.801

■ 25, 46.806,
136.801

■ 25, 46.701,
136.641

■ 25, 43.586,
137.441

■ 25, 40.403,
138.368

■ 26, 36.513,
139.403

■ 26, 32.026,
140.441

■ 26, 27.100,
141.424

■ 27, 21.874,
142.321

■ 28, 16.464,
143.119

■ 28, 10.967,
143.821

■ 29, 5.459, 144.438

Harmonies

Complementary

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



25, 46.806, 136.801



14, 45.095, 328.904

Rectangle

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



25, 46.806, 136.801



25, 46.806, 186.801



25, 46.806, 316.801



25, 46.806, 6.801

Sweetspot

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



25, 46.701, 136.641



36, 20.540, 143.027



29, 38.255, 103.803



17, 13.803, 142.884



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 46.701, 136.641



33, 56.316, 136.355



25, 32.769, 152.744



14, 3.078, 144.519



36, 59.591, 136.326



79, 109.367, 136.133

Inverse Universe

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



14, 45.095, 328.904



20, 54.049, 328.932



12, 33.768, 358.570



13, 3.083, 325.334



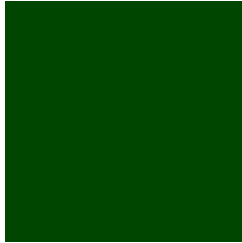
22, 57.144, 328.939



54, 104.276, 328.993

Previews

White Background



This preview shows how the CIELCh color 25, 46.806, 136.801 looks on a white background.

Color Contrast Check

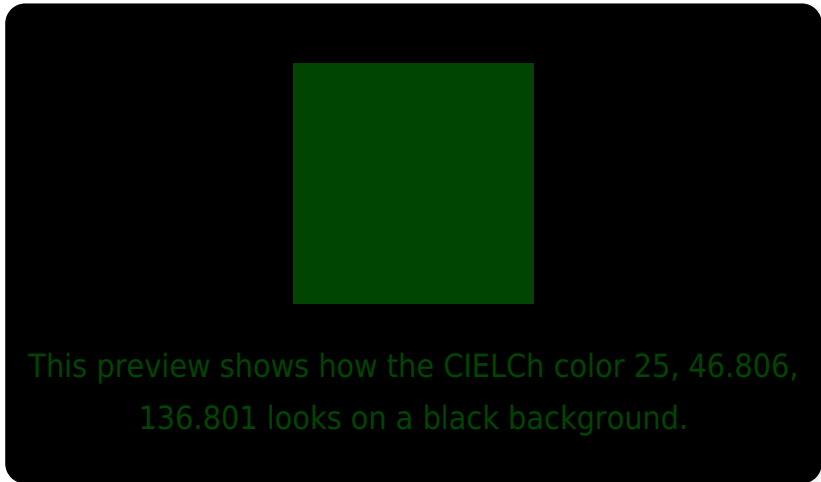
Large Text (above 18pt) WCAG AA ✓ Pass

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

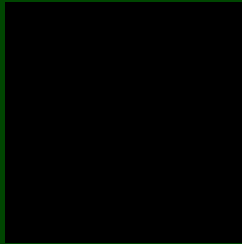
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 46.806, 136.801

Background



This preview shows how black text looks on a background with the CIELCh color 25, 46.806, 136.801.



This preview shows how white text looks on a background with the CIELCh color 25, 46.806, 136.801.

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
25, 46.655, 136.573

Protanopia
25, 34.214, 95.721

Deuteranopia
25, 28.124, 83.976



Tritanopia
25, 13.055, 215.282

Trichromacy



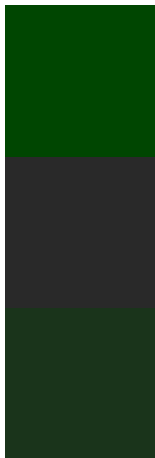
Original Color
25, 46.655, 136.573

Protanomaly
24, 37.357, 119.799

Deuteranomaly
24, 31.661, 117.049

Tritanomaly
25, 23.449, 159.745

Monochromacy



Original Color
25, 46.655, 136.573

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 20.836, 142.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 46.806, 136.801 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(0, 70, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 70, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 46.806, 136.801 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(0, 70, 1) }
```

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

```
.border{ border-color:rgb(0, 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(0, 70, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 70, 1); box-shadow:4px  
4px 4px 4px rgb(0, 70, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 46.806, 136.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 1) }
```

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

```
.background{ background-color: rgb(0, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor