

Converting Colors

CIELCh(25, 65.396, 121.270)

Have a look what the booklet for
CIELCh(25, 65.396, 121.270)
contains.

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Color

CIELCh(25, 45.679, 134.127)

Conversions

Conversions Part 1

Format	Color
Hex	0C4600
RGB	12, 70, 0
RGB Percent	5%, 27%, 0%
CMY	0.9547, 0.7267, 1.0000
CMYK	0.83, 0.00, 1.00, 0.73
HSL	110°, 100%, 14%
HSV	110°, 100%, 27%
XYZ	2.3143, 4.4155, 0.7212
YIQ	44.6780, -12.0980, -34.0660

Conversions

Conversions Part 2

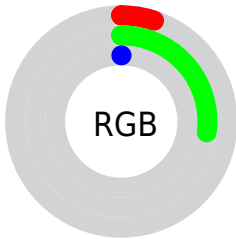
Format	Color
RYB	0, 70, 58
Decimal	804352
CIELab	25.00, -31.80, 32.79
CIELCh	25, 45.679, 134.127
Yxy	4.4155, 0.3106, 0.5926
Android (android.graphics.Color)	4278994432 (0xFF0C4600)
YUV	44.6780, -22.0263, -28.6586
Hunter-Lab	21.0130, -17.1137, 12.6743

Details

The CIELCh color **25, 45.679, 134.127** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 45.966, 322.553**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 45.416, 134.039**, and **7, 17.780, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 45.569, 134.214**, and if you desaturate by 10%, it is **25, 42.424, 134.887**.

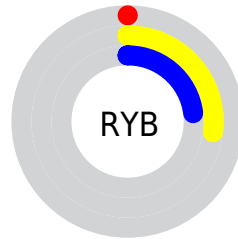
Distribution



Red (5%)

Green (27%)

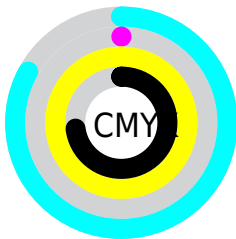
Blue (0%)



Red (0%)

Yellow (27%)

Blue (23%)

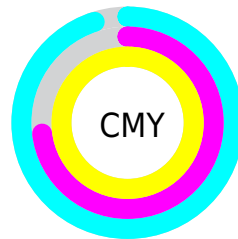


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (95%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 45.679, 134.127 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, 45.679, 134.127 by changing the saturation by 10% instead.

 25, 45.679,
134.127


 25, 45.679,
134.127

 100, 45.679,
134.127


 15, 45.679,
134.127


 45, 45.679,
134.127


 5, 45.679, 134.127

 55, 45.679,
134.127

 0, 45.679, 134.127

 65, 45.679,
134.127

 75, 45.679,
134.127

 85, 45.679,
134.127

 95, 45.679,

134.127

■ 25, 45.679,
134.127

■ 25, 45.679,
134.127

■ 25, 45.569,
134.214

■ 25, 42.424,
134.887

■ 25, 39.099,
135.330

■ 26, 35.169,
135.873

■ 26, 30.722,
136.506

■ 27, 25.915,
137.162

■ 27, 20.872,
137.799

■ 28, 15.692,
138.393

■ 28, 10.451,
138.934

■ 29, 5.204, 139.423

Harmonies

Complementary

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



25, 45.679, 134.127



12, 45.966, 322.553

Rectangle

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



25, 45.679, 134.127



25, 45.679, 184.127



25, 45.679, 314.127



25, 45.679, 4.127

Sweetspot

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



25, 45.569, 134.214



36, 19.723, 138.321



25, 33.729, 92.187



17, 13.256, 138.213



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, 45.569, 134.214



33, 55.556, 134.385



25, 38.409, 144.770



14, 2.956, 139.487



36, 58.825, 134.489



79, 108.365, 135.130

Inverse Universe

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



12, 45.966, 322.553



17, 55.488, 322.325



13, 36.312, 344.778



13, 2.969, 320.149



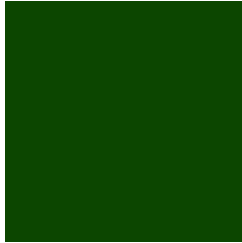
19, 58.687, 322.267



48, 107.361, 321.845

Previews

White Background



This preview shows how the CIELCh color 25, 45.679, 134.127 looks on a white background.

Color Contrast Check

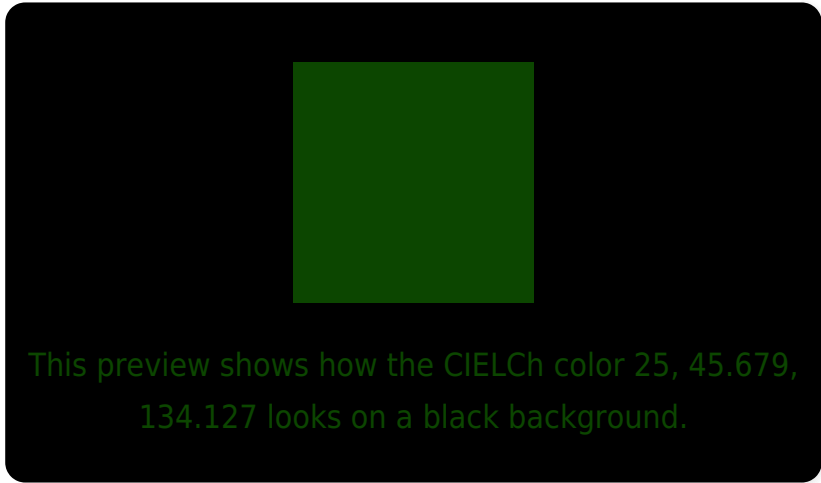
Large Text (above 18pt) WCAG AA ✓ Pass

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

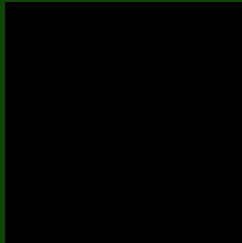
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 45.679, 134.127

Background



This preview shows how black text looks on a background with the CIELCh color 25, 45.679, 134.127.



This preview shows how white text looks on a background with the CIELCh color 25, 45.679, 134.127.

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](#).

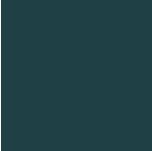
Dichromacy



Original Color
25, 45.679, 134.127

Protanopia
25, 34.130, 96.638

Deuteranopia
25, 28.124, 83.976



Tritanopia
25, 12.734, 212.622

Trichromacy



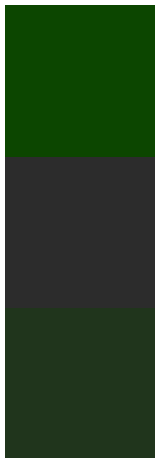
Original Color
25, 45.679, 134.127

Protanomaly
25, 36.788, 116.932

Deuteranomaly
24, 31.209, 113.451

Tritanomaly
25, 22.863, 156.822

Monochromacy



Original Color
25, 45.679, 134.127

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 19.554, 137.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 45.679, 134.127 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(12, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 70, 0)  
}
```

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(12, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 70, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 45.679, 134.127 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(12, 70, 0) }
```

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

```
.border{ border-color:rgb(12, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 70, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(12, 70, 0); box-shadow:4px  
4px 4px 4px rgb(12, 70, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 45.679, 134.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 70, 0) }
```

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

```
.background{ background-color: rgb(12, 70,  
0) }
```

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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