

Converting Colors

CIELCh(25, 63.997, 115.958)

Have a look what the booklet for
CIELCh(25, 63.997, 115.958)
contains.

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Color

CIELCh(25, 41.873, 128.299)

Conversions

Conversions Part 1

Format	Color
Hex	1E4400
RGB	30, 68, 0
RGB Percent	12%, 27%, 0%
CMY	0.8822, 0.7332, 0.9998
CMYK	0.56, 0.00, 1.00, 0.73
HSL	94°, 100%, 13%
HSV	94°, 100%, 27%
XYZ	2.6061, 4.4155, 0.7161
YIQ	48.8860, -0.8200, -29.2040

Conversions

Conversions Part 2

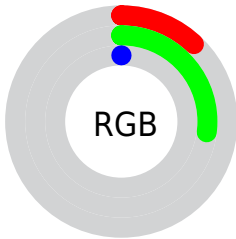
Format	Color
RYB	0, 68, 38
Decimal	1983488
CIELab	25.00, -25.95, 32.86
CIELCh	25, 41.873, 128.299
Yxy	4.4155, 0.3368, 0.5706
Android (android.graphics.Color)	4280173568 (0xFF1E4400)
YUV	48.8860, -24.1008, -16.5630
Hunter-Lab	21.0130, -14.6344, 12.6887

Details

The CIELCh color $25, 41.873, 128.299$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $8, 47.108, 314.561$, and the grayscale version is $20, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 41.976, 128.589$, and $7, 16.758, 144.443$ is the 20% darker color. If you saturate the color by 10%, you get $25, 41.892, 128.299$, and if you desaturate by 10%, it is $25, 38.726, 128.337$.

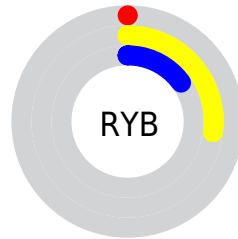
Distribution



Red (12%)

Green (27%)

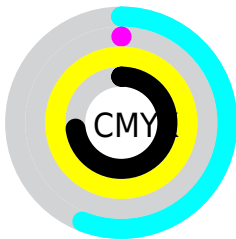
Blue (0%)



Red (0%)

Yellow (27%)

Blue (15%)

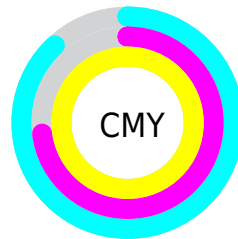


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (88%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 41.873, 128.299 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, 41.873, 128.299 by changing the saturation by 10% instead.

 25, 41.873,
128.299


 25, 41.873,
128.299

 100, 41.873,
128.299


 15, 41.873,
128.299


 45, 41.873,
128.299


 5, 41.873, 128.299

 55, 41.873,
128.299

 0, 41.873, 128.299

 65, 41.873,
128.299

 75, 41.873,
128.299

 85, 41.873,
128.299

 95, 41.873,

128.299

■ 25, 41.873,
128.299

■ 25, 41.873,
128.299

■ 25, 41.892,
128.299

■ 25, 38.726,
128.337

■ 25, 35.522,
128.279

■ 26, 31.843,
128.396

■ 26, 27.749,
128.677

■ 26, 23.373,
129.052

■ 27, 18.815,
129.472

■ 27, 14.149,
129.904

■ 28, 9.427, 130.329

■ 28, 4.691, 130.739

Harmonies

Complementary

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



25, 41.873, 128.299



8, 47.108, 314.561

Rectangle

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



25, 41.873, 128.299



25, 41.873, 178.299



25, 41.873, 308.299



25, 41.873, 358.299

Sweetspot

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



25, 41.873, 128.300



36, 17.757, 129.847



18, 28.992, 66.989



18, 12.213, 129.761



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, 41.873, 128.300



33, 51.036, 128.679



24, 44.844, 137.403



13, 2.567, 130.798



36, 54.135, 128.855



80, 101.105, 130.057

Inverse Universe

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



8, 47.108, 314.561



12, 56.907, 314.133



13, 43.148, 330.086



12, 2.594, 311.400



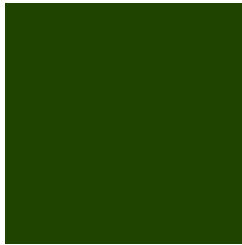
14, 60.312, 314.013



37, 112.002, 313.178

Previews

White Background



This preview shows how the CIELCh color 25, 41.873, 128.299 looks on a white background.

Color Contrast Check

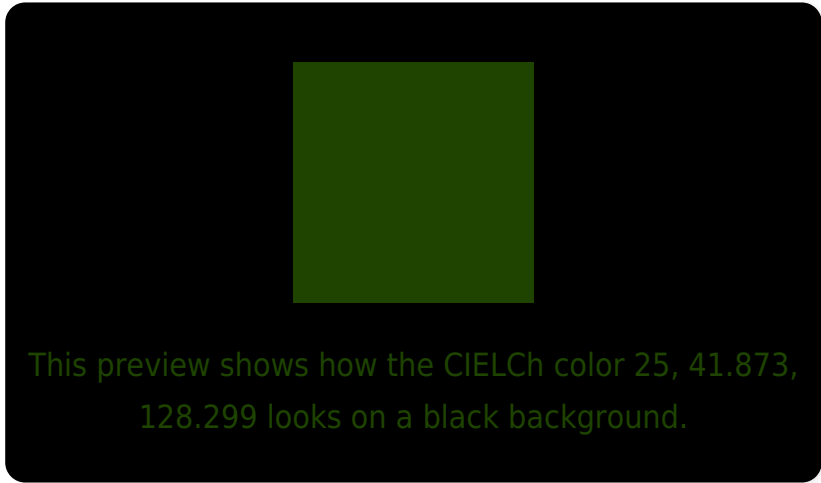
Large Text (above 18pt) WCAG AA ✓ Pass

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

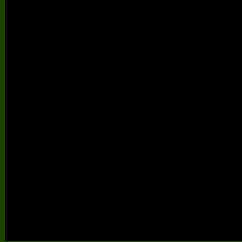
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 41.873, 128.299

Background



This preview shows how black text looks on a background with the CIELCh color 25, 41.873, 128.299.



This preview shows how white text looks on a background with the CIELCh color 25, 41.873, 128.299.

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, 41.873, 128.299

Protanopia

25, 34.130, 96.638

Deuteranopia

25, 28.368, 82.833



Tritanopia
25, 9.500, 218.485

Trichromacy



Original Color
25, 41.873, 128.299

Protanomaly
25, 35.514, 110.790

Deuteranomaly
24, 30.201, 104.755

Tritanomaly
25, 19.446, 148.736

Monochromacy



Original Color
25, 41.873, 128.299

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 17.844, 129.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 41.873, 128.299 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(30, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(30, 68, 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(30, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 68, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 41.873, 128.299 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(30, 68, 0) }
```

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

```
.border{ border-color:rgb(30, 68, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 68, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 68, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(30, 68, 0); box-shadow:4px  
4px 4px 4px rgb(30, 68, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 41.873, 128.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 68, 0) }
```

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

```
.background{ background-color: rgb(30, 68,  
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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