

Converting Colors

CIELCh(24, 46.852, 134.920)

Have a look what the booklet for
CIELCh(24, 46.852, 134.920)
contains.

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Color

CIELCh(24, 45.648, 135.849)

Conversions

Conversions Part 1

Format	Color
Hex	024400
RGB	2, 68, 0
RGB Percent	1%, 27%, 0%
CMY	0.9902, 0.7349, 1.0000
CMYK	0.96, 0.00, 1.00, 0.73
HSL	118°, 100%, 13%
HSV	118°, 100%, 27%
XYZ	2.0714, 4.1002, 0.6700
YIQ	40.5140, -17.5080, -35.1400

Conversions

Conversions Part 2

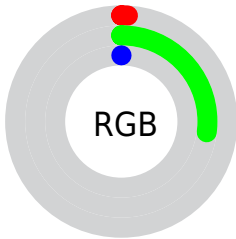
Format	Color
RYB	0, 68, 66
Decimal	148480
CIELab	24.00, -32.75, 31.80
CIELCh	24, 45.648, 135.849
Yxy	4.1002, 0.3028, 0.5993
Android (android.graphics.Color)	4278338560 (0xFF024400)
YUV	40.5140, -19.9734, -33.7768
Hunter-Lab	20.2490, -17.1762, 12.2125

Details

The CIELCh color **24, 45.648, 135.849** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 44.577, 326.941**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 45.807, 135.762**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 45.501, 135.969**, and if you desaturate by 10%, it is **24, 42.440, 136.714**.

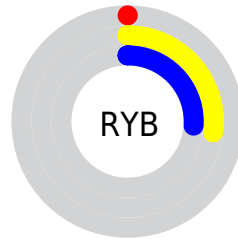
Distribution



Red (1%)

Green (27%)

Blue (0%)



Red (0%)

Yellow (27%)

Blue (26%)

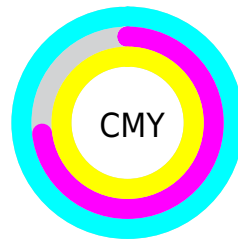


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (73%)



Cyan (99%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 45.648, 135.849 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 24, 45.648, 135.849 by changing the saturation by 10% instead.

 24, 45.648,
135.849

 24, 45.648,
135.849

 100, 45.648,
135.849

 14, 45.648,
135.849


 44, 45.648,
135.849

 4, 45.648, 135.849

 54, 45.648,
135.849

 0, 45.648, 135.849

 64, 45.648,
135.849

 74, 45.648,
135.849

 84, 45.648,
135.849

 94, 45.648,

135.849

■ 24, 45.648,
135.849

■ 24, 45.648,
135.849

■ 24, 45.501,
135.969

■ 24, 42.440,
136.714

■ 24, 39.281,
137.528

■ 25, 35.462,
138.406

■ 25, 31.073,
139.319

■ 25, 26.270,
140.202

■ 26, 21.190,
141.020

■ 27, 15.943,
141.757

■ 27, 10.619,
142.410

■ 28, 5.285, 142.988

Harmonies

Complementary

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



24, 45.648, 135.849



13, 44.577, 326.941

Rectangle

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



24, 45.648, 135.849



24, 45.648, 185.849



24, 45.648, 315.849



24, 45.648, 5.849

Sweetspot

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



24, 45.501, 135.969



34, 19.605, 141.675



26, 35.800, 100.049



16, 13.160, 141.556



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 45.501, 135.969



31, 54.309, 135.650



24, 33.942, 149.649



12, 2.889, 143.071



35, 58.699, 135.692



78, 108.570, 135.896

Inverse Universe

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



13, 44.577, 326.941



18, 52.749, 326.891



12, 33.642, 352.979



12, 2.896, 323.823



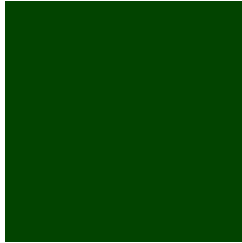
21, 56.983, 326.871



52, 105.117, 326.767

Previews

White Background



This preview shows how the CIE LCh color 24, 45.648, 135.849 looks on a white background.

Color Contrast Check

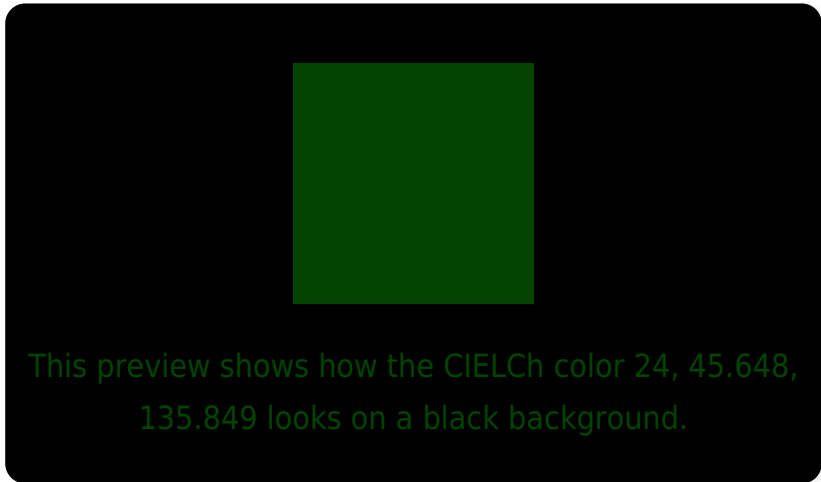
Large Text (above 18pt) WCAG AA ✓ Pass

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

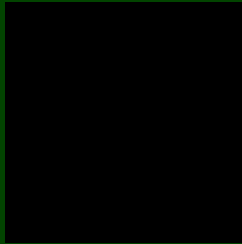
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 45.648, 135.849

Background



This preview shows how black text looks on a background with the CIELCh color 24, 45.648, 135.849.



This preview shows how white text looks on a background with the CIELCh color 24, 45.648, 135.849.

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
24, 45.765, 136.039

Protanopia
24, 33.197, 96.500

Deuteranopia
24, 27.209, 83.248



Tritanopia
24, 12.968, 212.357

Trichromacy



Original Color
24, 45.765, 136.039

Protanomaly
23, 35.766, 119.161

Deuteranomaly
23, 30.633, 116.653

Tritanomaly
24, 23.526, 157.681

Monochromacy



Original Color
24, 45.765, 136.039

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 20.440, 140.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 45.648, 135.849 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(2, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 68, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 24, 45.648, 135.849 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(2, 68, 0) }
```

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

```
.border{ border-color:rgb(2, 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(2, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 68, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 68, 0); box-shadow:4px  
4px 4px 4px rgb(2, 68, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 45.648, 135.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 68, 0) }
```

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

```
.background{ background-color: rgb(2, 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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