

Converting Colors

CIELCh(23, 50.307, 147.710)

Have a look what the booklet for
CIELCh(23, 50.307, 147.710)
contains.

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Color

CIELCh(24, 43.299, 138.818)

Conversions

Conversions Part 1

Format	Color
Hex	004408
RGB	0, 68, 8
RGB Percent	0%, 27%, 3%
CMY	1.0000, 0.7349, 0.9702
CMYK	1.00, 0.00, 0.89, 0.73
HSL	127°, 100%, 13%
HSV	127°, 100%, 27%
XYZ	2.0787, 4.1002, 0.8997
YIQ	40.8280, -21.2680, -33.0760

Conversions

Conversions Part 2

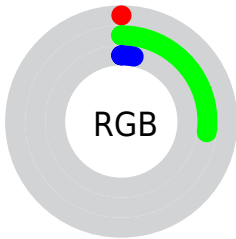
Format	Color
RYB	0, 61, 68
Decimal	17416
CIELab	24.00, -32.59, 28.51
CIELCh	24, 43.299, 138.818
Yxy	4.1002, 0.2937, 0.5792
Android (android.graphics.Color)	4278207496 (0xFF004408)
YUV	40.8280, -16.1842, -35.8062
Hunter-Lab	20.2490, -17.1114, 11.5399

Details

The CIELCh color **24, 43.299, 138.818** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 41.155, 332.662**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 43.085, 139.004**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 43.237, 138.722**, and if you desaturate by 10%, it is **24, 40.355, 139.465**.

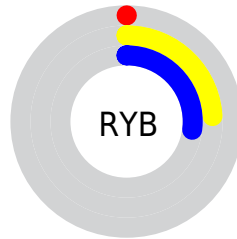
Distribution



Red (0%)

Green (27%)

Blue (3%)



Red (0%)

Yellow (24%)

Blue (27%)

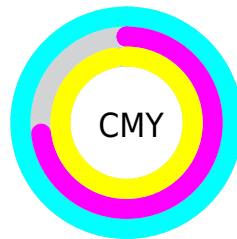


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (73%)



Cyan (100%)

Magenta (73%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 43.299, 138.818 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, 43.299, 138.818 by changing the saturation by 10% instead.

 24, 43.299,
138.818

 24, 43.299,
138.818

 100, 43.299,
138.818

 14, 43.299,
138.818


 44, 43.299,
138.818

 4, 43.299, 138.818

 54, 43.299,
138.818

 0, 43.299, 138.818

 64, 43.299,
138.818

 74, 43.299,
138.818

 84, 43.299,
138.818

 94, 43.299,

138.818

■ 24, 43.299,
138.818

■ 24, 43.299,
138.818

■ 24, 43.237,
138.722

■ 24, 40.355,
139.465

■ 24, 37.120,
140.641

■ 25, 33.363,
141.854

■ 25, 29.161,
142.995

■ 25, 24.624,
144.033

■ 26, 19.851,
144.961

■ 27, 14.933,
145.779

■ 27, 9.946, 146.497

■ 28, 4.950, 147.132

Harmonies

Complementary

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



24, 43.299, 138.818



13, 41.155, 332.662

Rectangle

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



24, 43.299, 138.818



24, 43.299, 188.818



24, 43.299, 318.818



24, 43.299, 8.818

Sweetspot

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



24, 43.237, 138.722



34, 18.360, 145.688



27, 37.344, 108.410



16, 12.325, 145.558



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, 43.237, 138.722



31, 51.884, 138.118



24, 29.176, 157.659



12, 2.706, 147.224



35, 56.351, 137.891



78, 106.384, 136.922

Inverse Universe

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



13, 41.155, 332.662



18, 48.540, 332.857



11, 32.527, 5.321



12, 2.712, 328.050



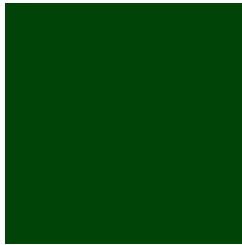
21, 52.371, 332.934



52, 95.980, 333.344

Previews

White Background



This preview shows how the CIELCh color 24, 43.299, 138.818 looks on a white background.

Color Contrast Check

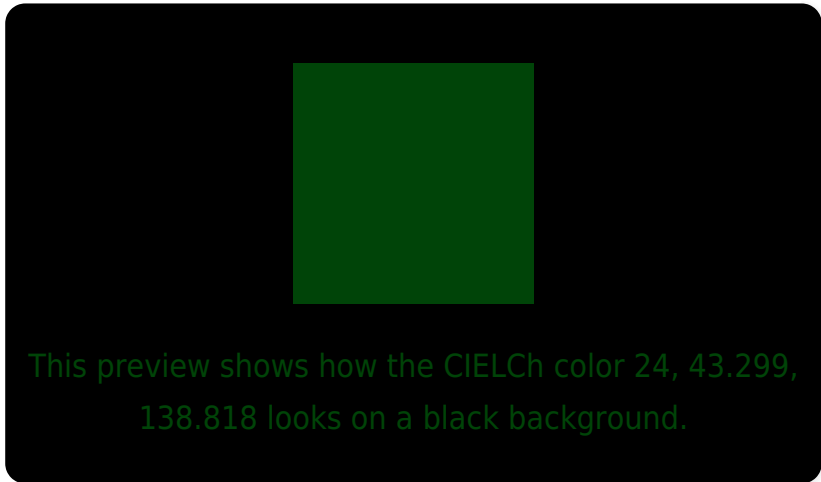
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.299, 138.818

Background



This preview shows how black text looks on a background with the CIELCh color 24, 43.299, 138.818.



This preview shows how white text looks on a background with the CIELCh color 24, 43.299, 138.818.

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, 43.299, 138.818

Protanopia

24, 31.985, 96.460

Deuteranopia

24, 26.493, 84.066



Tritanopia
24, 12.968, 212.357

Trichromacy



Original Color
24, 43.299, 138.818

Protanomaly
23, 34.007, 121.035

Deuteranomaly
23, 29.506, 118.345

Tritanomaly
24, 22.350, 161.658

Monochromacy



Original Color
24, 43.299, 138.818

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 19.018, 144.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 43.299, 138.818 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, 68, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 68, 8)  
}
```

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, 68, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 68, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 43.299, 138.818 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, 68, 8) }
```

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

```
.border{ border-color:rgb(0, 68, 8) }
```

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

Here you see how a box with a 4 pixel rgb(0, 68, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 68, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 68, 8); box-shadow:4px  
4px 4px 4px rgb(0, 68, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 43.299, 138.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 68, 8) }
```

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

```
.background{ background-color: rgb(0, 68,  
8) }
```

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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