

Converting Colors

CIELCh(24, 43.259, 133.227)

Have a look what the booklet for
CIELCh(24, 43.259, 133.227)
contains.

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Color

CIELCh(24, 43.238, 133.427)

Conversions

Conversions Part 1

Format	Color
Hex	104301
RGB	16, 67, 1
RGB Percent	6%, 26%, 0%
CMY	0.9382, 0.7380, 0.9969
CMYK	0.76, 0.00, 0.99, 0.74
HSL	106°, 98%, 13%
HSV	106°, 99%, 26%
XYZ	2.2091, 4.1002, 0.6976
YIQ	44.2270, -9.2100, -31.3380

Conversions

Conversions Part 2

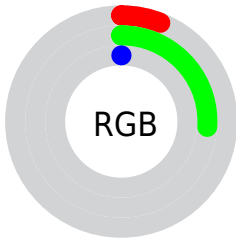
Format	Color
R_{YB}	1, 67, 52
Decimal	1065729
CIE Lab	24.00, -29.72, 31.40
CIE LCh	24, 43.238, 133.427
Yxy	4.1002, 0.3153, 0.5852
Android (android.graphics.Color)	4279255809 (0xFF104301)
YUV	44.2270, -21.3109, -24.7551
Hunter-Lab	20.2490, -15.9619, 12.1318

Details

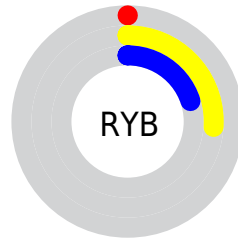
The CIELCh color **24, 43.238, 133.427** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 44.560, 320.624**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 43.417, 133.390**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 43.599, 133.368**, and if you desaturate by 10%, it is **24, 40.124, 133.836**.

Distribution



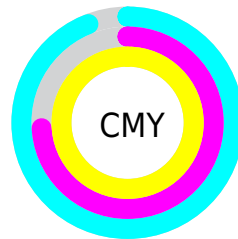
- Red (6%)
- Green (26%)
- Blue (0%)



- Red (0%)
- Yellow (26%)
- Blue (20%)



- Cyan (76%)
- Magenta (0%)
- Yellow (99%)
- Black (74%)





- Cyan (94%)
- Magenta (74%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 43.238, 133.427 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, 43.238, 133.427 by changing the saturation by 10% instead.

 24, 43.238,
133.427

 24, 43.238,
133.427

 100, 43.238,
133.427


 14, 43.238,
133.427


 44, 43.238,
133.427


 4, 43.238, 133.427

 54, 43.238,
133.427

 0, 43.238, 133.427

 64, 43.238,
133.427

 74, 43.238,
133.427

 84, 43.238,
133.427

 94, 43.238,

133.427

■ 24, 43.238,
133.427

■ 24, 43.238,
133.427

■ 24, 43.599,
133.368

■ 24, 40.124,
133.836

■ 24, 36.807,
134.124

■ 25, 32.934,
134.557

■ 25, 28.621,
135.088

■ 26, 24.005,
135.653

■ 26, 19.197,
136.212

■ 27, 14.277,
136.742

■ 27, 9.311, 137.231

■ 28, 4.346, 137.680

Harmonies

Complementary

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



24, 43.238, 133.427



10, 44.560, 320.624

Rectangle

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



24, 43.238, 133.427



24, 43.238, 183.427



24, 43.238, 313.427



24, 43.238, 3.427

Sweetspot

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



24, 43.238, 133.428



35, 18.457, 136.617



22, 30.838, 87.211



16, 12.391, 136.530



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, 43.238, 133.428



32, 52.765, 133.436



24, 38.760, 142.823



12, 2.723, 137.694



35, 57.126, 133.616



79, 106.479, 134.442

Inverse Universe

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



10, 44.560, 320.624



15, 53.747, 320.355



12, 36.509, 340.405



12, 2.738, 318.306



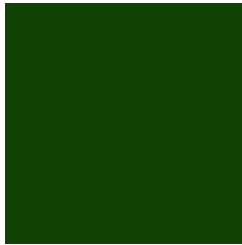
17, 58.086, 320.247



45, 107.409, 319.679

Previews

White Background



This preview shows how the CIELCh color 24, 43.238, 133.427 looks on a white background.

Color Contrast Check

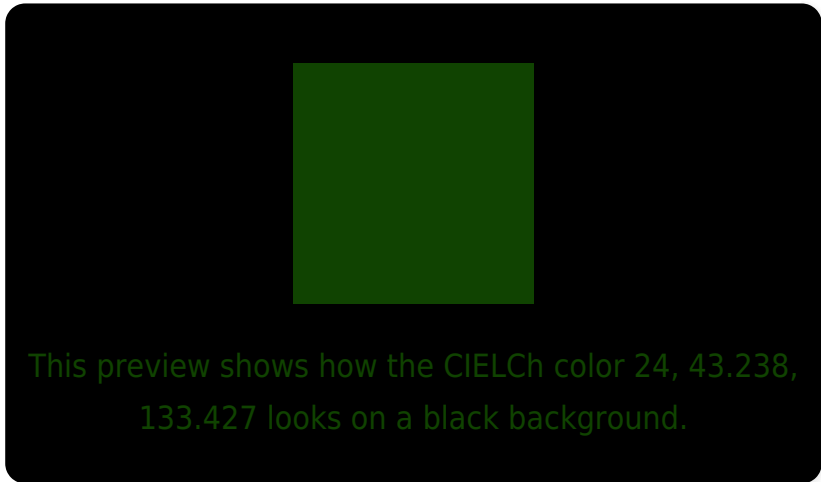
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.238, 133.427

Background



This preview shows how black text looks on a background with the CIELCh color 24, 43.238, 133.427.



This preview shows how white text looks on a background with the CIELCh color 24, 43.238, 133.427.

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

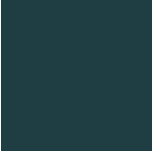
24, 43.238, 133.427

Protanopia

24, 33.197, 96.500

Deuteranopia

24, 27.233, 83.116



Tritanopia
24, 11.890, 213.928

Trichromacy



Original Color
24, 43.238, 133.427

Protanomaly
23, 35.101, 115.284

Deuteranomaly
23, 29.968, 110.933

Tritanomaly
24, 21.540, 155.990

Monochromacy



Original Color
24, 43.238, 133.427

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 18.325, 135.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 43.238, 133.427 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(16, 67, 1)` looks like.

```
.text, #text, p{  
    color:rgb(16, 67, 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(16, 67, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 67, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 43.238, 133.427 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(16, 67, 1) }
```

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

```
.border{ border-color:rgb(16, 67, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 67, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 67, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(16, 67, 1); box-shadow:4px  
4px 4px 4px rgb(16, 67, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 43.238, 133.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 67, 1) }
```

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

```
.background{ background-color: rgb(16, 67,  
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](#).

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