

Converting Colors

CIELCh(24, 39.704, 128.627)

Have a look what the booklet for
CIELCh(24, 39.704, 128.627)
contains.

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Color

CIELCh(24, 39.440, 128.275)

Conversions

Conversions Part 1

Format	Color
Hex	1E4102
RGB	30, 65, 2
RGB Percent	12%, 25%, 1%
CMY	0.8812, 0.7439, 0.9909
CMYK	0.54, 0.00, 0.96, 0.74
HSL	93°, 93%, 13%
HSV	93°, 96%, 26%
XYZ	2.4641, 4.1002, 0.7283
YIQ	47.3530, -0.6370, -27.0130

Conversions

Conversions Part 2

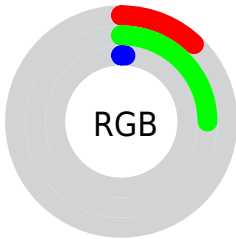
Format	Color
R_YB	2, 65, 37
Decimal	1982722
CIE Lab	24.00, -24.43, 30.96
CIE LCh	24, 39.440, 128.275
Yxy	4.1002, 0.3379, 0.5622
Android (android.graphics.Color)	4280172802 (0xFF1E4102)
YUV	47.3530, -22.3590, -15.2186
Hunter-Lab	20.2490, -13.7136, 12.0418

Details

The CIELCh color **24, 39.440, 128.275** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 44.158, 314.359**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 39.073, 128.033**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 40.519, 128.274**, and if you desaturate by 10%, it is **24, 36.400, 128.221**.

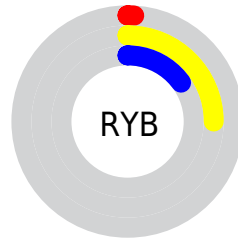
Distribution



Red (12%)

Green (25%)

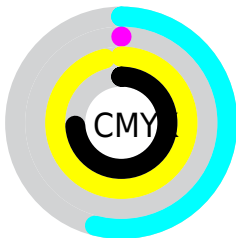
Blue (1%)



Red (1%)

Yellow (25%)

Blue (15%)

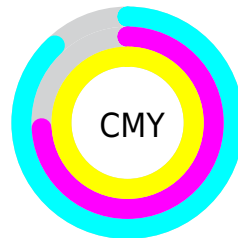


Cyan (54%)

Magenta (0%)

Yellow (96%)

Black (74%)



Cyan (88%)


Magenta (74%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 39.440, 128.275 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, 39.440, 128.275 by changing the saturation by 10% instead.

 24, 39.440,
128.275


 24, 39.440,
128.275

 100, 39.440,
128.275

 14, 39.440,
128.275


 44, 39.440,
128.275


 4, 39.440, 128.275

 54, 39.440,
128.275

 0, 39.440, 128.275

 64, 39.440,
128.275

 74, 39.440,
128.275

 84, 39.440,
128.275

 94, 39.440,

128.275

■ 24, 39.440,
128.275

■ 24, 39.440,
128.275

■ 24, 40.519,
128.274

■ 24, 36.400,
128.221

■ 24, 33.149,
128.202

■ 25, 29.420,
128.392

■ 25, 25.347,
128.713

■ 25, 21.045,
129.106

■ 26, 16.598,
129.530

■ 26, 12.068,
129.958

■ 27, 7.501, 130.375

■ 27, 2.929, 130.779

Harmonies

Complementary

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



24, 39.440, 128.275



8, 44.158, 314.359

Rectangle

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



24, 39.440, 128.275



24, 39.440, 178.275



24, 39.440, 308.275



24, 39.440, 358.275

Sweetspot

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



24, 39.440, 128.276



34, 16.340, 129.798



18, 27.051, 67.535



16, 11.307, 129.715



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, 39.440, 128.276



31, 48.900, 128.454



23, 42.459, 137.790



13, 2.566, 130.694



36, 54.086, 128.766



80, 101.011, 129.970

Inverse Universe

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



8, 44.158, 314.359



11, 54.642, 314.147



13, 40.999, 329.963



12, 2.592, 311.297



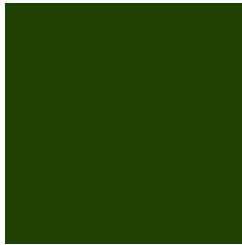
13, 60.348, 313.937



37, 112.076, 313.100

Previews

White Background



This preview shows how the CIELCh color 24, 39.440, 128.275 looks on a white background.

Color Contrast Check

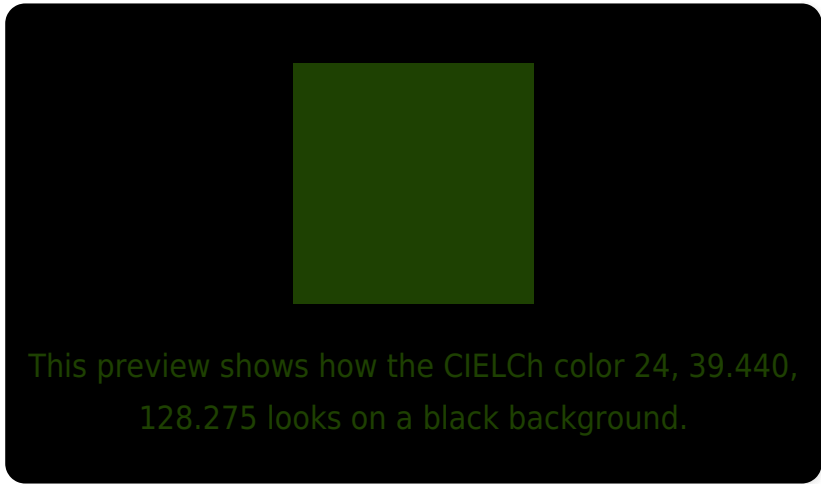
Large Text (above 18pt) WCAG AA ✓ Pass

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

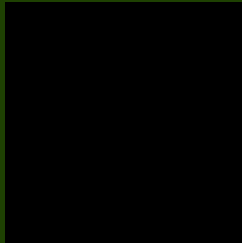
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 39.440, 128.275

Background



This preview shows how black text looks on a background with the CIELCh color 24, 39.440, 128.275.



This preview shows how white text looks on a background with the CIELCh color 24, 39.440, 128.275.

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

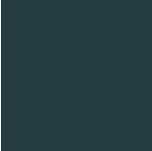
24, 39.440, 128.275

Protanopia

24, 32.811, 95.465

Deuteranopia

24, 27.233, 83.116



Tritanopia
24, 8.871, 220.196

Trichromacy



Original Color
24, 39.440, 128.275

Protanomaly
24, 33.681, 110.530

Deuteranomaly
23, 28.849, 104.957

Tritanomaly
24, 17.977, 149.566

Monochromacy



Original Color
24, 39.440, 128.275

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 16.362, 128.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 39.440, 128.275 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, 65, 2)` looks like.

```
.text, #text, p{  
    color:rgb(30, 65, 2)  
}
```

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, 65, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 65, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 39.440, 128.275 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, 65, 2) }
```

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

```
.border{ border-color:rgb(30, 65, 2) }
```

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

Here you see how a box with a 4 pixel rgb(30, 65, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 65, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(30, 65, 2); box-shadow:4px  
4px 4px 4px rgb(30, 65, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 39.440, 128.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 65, 2) }
```

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

```
.background{ background-color: rgb(30, 65,  
2) }
```

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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