

Converting Colors

CIELCh(24, 13.040, 111.010)

Have a look what the booklet for
CIELCh(24, 13.040, 111.010)
contains.

CIELCh(24, 13.079, 111.726)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 13.079, 111.726)

Conversions

Conversions Part 1

Format	Color
Hex	393B27
RGB	57, 59, 39
RGB Percent	22%, 23%, 15%
CMY	0.7777, 0.7699, 0.8482
CMYK	0.03, 0.00, 0.34, 0.77
HSL	66°, 21%, 19%
HSV	66°, 34%, 23%
XYZ	3.5780, 4.1002, 2.4962
YIQ	56.1220, 5.2280, -6.6440

Conversions

Conversions Part 2

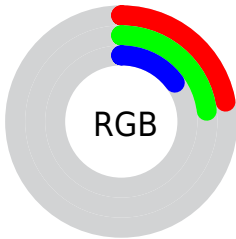
Format	Color
RYB	39, 59, 41
Decimal	3750695
CIELab	24.00, -4.84, 12.15
CIELCh	24, 13.079, 111.726
Yxy	4.1002, 0.3517, 0.4030
Android (android.graphics.Color)	4281940775 (0xFF393B27)
YUV	56.1220, -8.4411, 0.7700
Hunter-Lab	20.2490, -3.8950, 6.8654

Details

The CIELCh color **24, 13.079, 111.726** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 14.023, 297.074**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 13.087, 112.135**, and **4, 7.753, 125.609** is the 20% darker color. If you saturate the color by 10%, you get **24, 16.796, 111.042**, and if you desaturate by 10%, it is **24, 9.283, 112.433**.

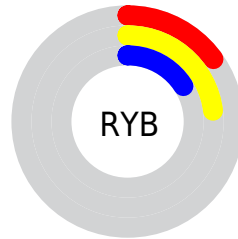
Distribution



Red (22%)

Green (23%)

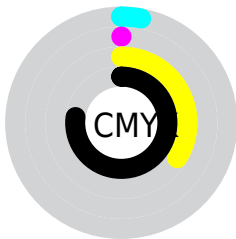
Blue (15%)



Red (15%)

Yellow (23%)

Blue (16%)

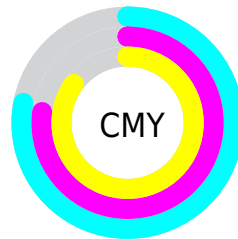


Cyan (3%)

Magenta (0%)

Yellow (34%)

Black (77%)



Cyan (78%)


Magenta (77%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 13.079, 111.726 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, 13.079, 111.726 by changing the saturation by 10% instead.

 24, 13.079,
111.726


 24, 13.079,
111.726

 100, 13.079,
111.726


 14, 13.079,
111.726


 44, 13.079,
111.726


 4, 13.079, 111.726

 54, 13.079,
111.726

 0, 13.079, 111.726

 64, 13.079,
111.726

 74, 13.079,
111.726

 84, 13.079,
111.726

 94, 13.079,

111.726

■ 24, 13.079,
111.726

■ 24, 13.079,
111.726

■ 24, 16.796,
111.042

■ 24, 9.283, 112.433

■ 24, 20.386,
110.389

■ 24, 5.439, 113.138

■ 24, 23.783,
109.796

■ 25, 1.569, 113.832

■ 23, 26.896,
109.293

■ 25, 2.312, 294.527

■ 23, 29.551,
108.958

■ 25, 6.191, 295.187

■ 23, 31.920,
108.775

■ 25, 10.060,
295.824

■ 26, 13.913,
296.434

■ 23, 33.331,
108.686

■ 26, 17.745,
297.016

■ 26, 21.552,
297.569

Harmonies

Complementary

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



24, 13.079, 111.726



17, 14.023, 297.074

Rectangle

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



24, 13.079, 111.726



24, 13.079, 161.726



24, 13.079, 291.726



24, 13.079, 341.726

Sweetspot

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



24, 13.080, 111.729



32, 4.831, 113.389



18, 9.295, 29.798



15, 3.235, 113.361



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



24, 13.080, 111.729



31, 19.522, 111.118



23, 14.373, 131.150



11, 2.226, 113.527



38, 47.122, 108.598



84, 87.873, 109.049

Inverse Universe

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



17, 14.023, 297.074



20, 21.396, 298.079



18, 14.829, 313.775



10, 2.266, 294.738



8, 63.993, 306.934



28, 119.898, 306.571

Previews

White Background



This preview shows how the CIELCh color 24, 13.079, 111.726 looks on a white background.

Color Contrast Check

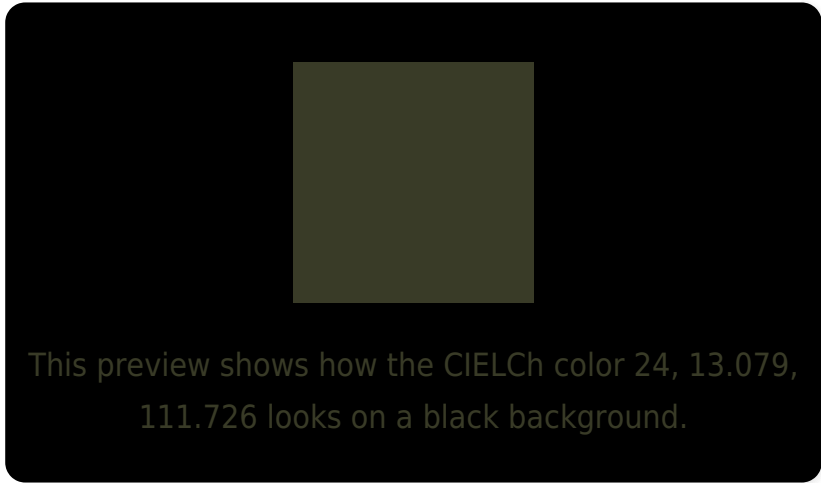
Large Text (above 18pt) WCAG AA ✓ Pass

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

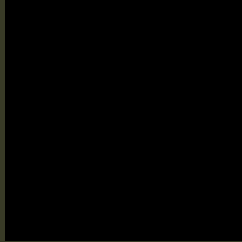
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

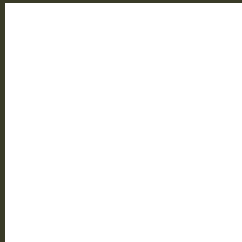
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 13.079, 111.726

Background



This preview shows how black text looks on a background with the CIELCh color 24, 13.079, 111.726.

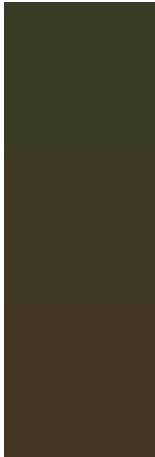


This preview shows how white text looks on a background with the CIELCh color 24, 13.079, 111.726.

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, 13.079, 111.726

Protanopia

24, 12.723, 95.919

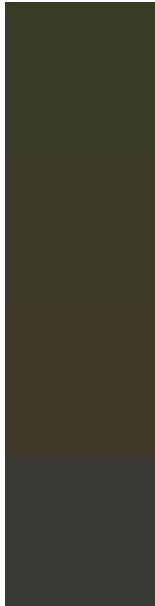
Deuteranopia

24, 12.010, 74.491



Tritanopia
24, 2.995, 317.511

Trichromacy



Original Color

24, 13.079, 111.726

Protanomaly

24, 13.106, 102.902

Deuteranomaly

24, 11.323, 86.887

Tritanomaly

24, 3.332, 101.341

Monochromacy



Original Color

24, 13.079, 111.726

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 4.653, 114.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 13.079, 111.726 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(57, 59, 39)` looks like.

```
.text, #text, p{  
    color:rgb(57, 59, 39)  
}
```

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(57, 59, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 59, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 13.079, 111.726 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(57, 59, 39) }
```

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

```
.border{ border-color:rgb(57, 59, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 59, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 59, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 59, 39);  
box-shadow:4px 4px 4px 4px rgb(57, 59, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 13.079, 111.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 59, 39) }
```

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

```
.background{ background-color: rgb(57, 59,  
39) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor