

Converting Colors

CIELCh(24, 11.651, 124.084)

Have a look what the booklet for
CIELCh(24, 11.651, 124.084)
contains.

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Color

CIELCh(24, 12.254, 123.771)

Conversions

Conversions Part 1

Format	Color
Hex	353C2A
RGB	53, 60, 42
RGB Percent	21%, 24%, 16%
CMY	0.7937, 0.7663, 0.8368
CMYK	0.12, 0.00, 0.30, 0.77
HSL	83°, 18%, 20%
HSV	83°, 30%, 23%
XYZ	3.4532, 4.1002, 2.7640
YIQ	55.8550, 1.6060, -7.0820

Conversions

Conversions Part 2

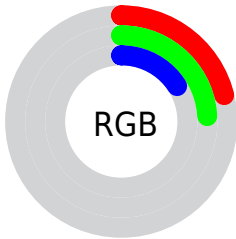
Format	Color
RYB	42, 60, 49
Decimal	3488810
CIELab	24.00, -6.81, 10.19
CIElCh	24, 12.254, 123.771
Yxy	4.1002, 0.3347, 0.3974
Android (android.graphics.Color)	4281678890 (0xFF353C2A)
YUV	55.8550, -6.8305, -2.5038
Hunter-Lab	20.2490, -4.9945, 6.0811

Details

The CIELCh color **24, 12.254, 123.771** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 12.818, 306.574**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.272, 122.730**, and **4, 8.962, 135.701** is the 20% darker color. If you saturate the color by 10%, you get **24, 16.245, 123.324**, and if you desaturate by 10%, it is **24, 8.210, 124.228**.

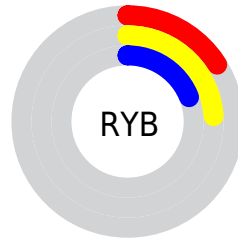
Distribution



Red (21%)

Green (24%)

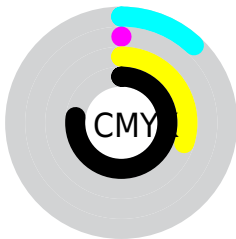
Blue (16%)



Red (16%)

Yellow (24%)

Blue (19%)

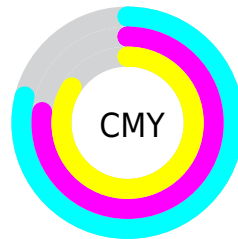


Cyan (12%)

Magenta (0%)

Yellow (30%)

Black (77%)



Cyan (79%)


Magenta (77%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 12.254, 123.771 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, 12.254, 123.771 by changing the saturation by 10% instead.

 24, 12.254,
123.771


 24, 12.254,
123.771

 100, 12.254,
123.771


 14, 12.254,
123.771


 44, 12.254,
123.771


 4, 12.254, 123.771

 54, 12.254,
123.771

 0, 12.254, 123.771

 64, 12.254,
123.771

 74, 12.254,
123.771

 84, 12.254,
123.771

 94, 12.254,

123.771

■ 24, 12.254,
123.771

■ 24, 12.254,
123.771

■ 24, 16.245,
123.324

■ 24, 8.210, 124.228

■ 23, 20.139,
122.901

■ 25, 4.140, 124.677

■ 25, 0.066, 125.614

■ 23, 23.878,
122.533

■ 26, 3.995, 305.495

■ 23, 27.383,
122.263

■ 26, 8.032, 305.881

■ 23, 30.538,
122.161

■ 26, 12.036,
306.239

■ 22, 33.212,
122.376

■ 27, 16.000,
306.571

■ 22, 35.815,
122.574

■ 27, 19.918,
306.876

■ 28, 23.788,
307.158

Harmonies

Complementary

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



24, 12.254, 123.771



18, 12.818, 306.574

Rectangle

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



24, 12.254, 123.771



24, 12.254, 173.771



24, 12.254, 303.771



24, 12.254, 353.771

Sweetspot

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



24, 12.255, 123.773



32, 4.510, 124.711



21, 7.296, 59.376



15, 3.077, 124.687



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, 12.255, 123.773



31, 17.954, 123.439



23, 14.067, 139.755



11, 2.309, 124.753



36, 50.406, 122.844



80, 94.813, 124.088

Inverse Universe

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



18, 12.818, 306.574



23, 19.015, 306.997



19, 14.159, 322.477



10, 2.341, 305.465



11, 61.225, 310.381



32, 115.131, 309.550

Previews

White Background



This preview shows how the CIELCh color 24, 12.254, 123.771 looks on a white background.

Color Contrast Check

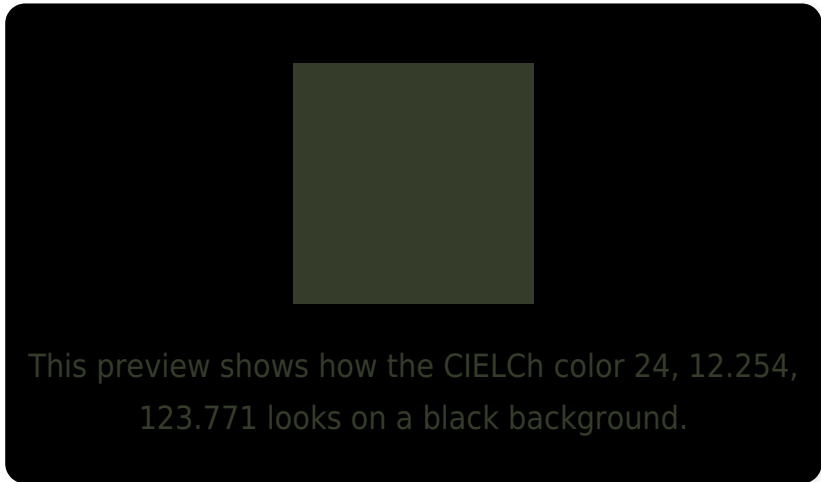
Large Text (above 18pt) WCAG AA ✓ Pass

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

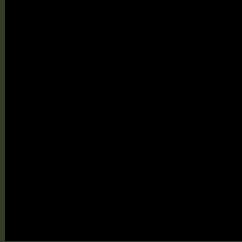
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

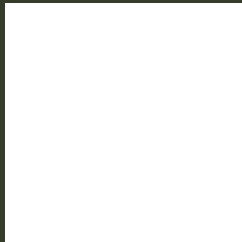
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.254, 123.771

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.254, 123.771.

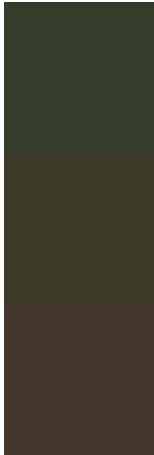


This preview shows how white text looks on a background with the CIELCh color 24, 12.254, 123.771.

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, 12.254, 123.771

Protanopia

24, 11.349, 97.513

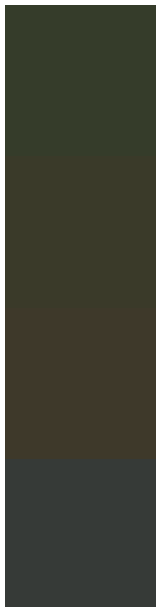
Deuteranopia

24, 10.033, 71.492



Tritanopia
24, 3.414, 276.023

Trichromacy



Original Color
24, 12.254, 123.771

Protanomaly
24, 11.138, 107.745

Deuteranomaly
24, 10.183, 93.821

Tritanomaly
24, 2.714, 151.999

Monochromacy



Original Color
24, 12.254, 123.771

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.853, 126.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.254, 123.771 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(53, 60, 42)` looks like.

```
.text, #text, p{  
    color:rgb(53, 60, 42)  
}
```

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(53, 60, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 60, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.254, 123.771 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(53, 60, 42) }
```

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

```
.border{ border-color:rgb(53, 60, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 60, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 60, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 60, 42);  
box-shadow:4px 4px 4px 4px rgb(53, 60, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.254, 123.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 60, 42) }
```

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

```
.background{ background-color: rgb(53, 60,  
42) }
```

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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