

Converting Colors

CIELCh(24, 12.089, 104.173)

Have a look what the booklet for
CIELCh(24, 12.089, 104.173)
contains.

CIELCh(24, 12.435, 105.149)	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, 12.435, 105.149)

Conversions

Conversions Part 1

Format	Color
Hex	3B3A27
RGB	59, 58, 39
RGB Percent	23%, 23%, 15%
CMY	0.7687, 0.7726, 0.8471
CMYK	0.00, 0.02, 0.34, 0.77
HSL	57°, 20%, 19%
HSV	57°, 34%, 23%
XYZ	3.6809, 4.1002, 2.5156
YIQ	56.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

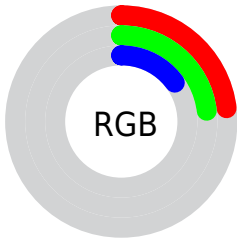
Format	Color
RYB	40, 59, 39
Decimal	3881511
CIELab	24.00, -3.25, 12.00
CIELCh	24, 12.435, 105.149
Yxy	4.1002, 0.3575, 0.3982
Android (android.graphics.Color)	4282071591 (0xFF3B3A27)
YUV	56.1330, -8.4466, 2.5144
Hunter-Lab	20.2490, -2.9877, 6.8085

Details

The CIELCh color **24, 12.435, 105.149** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 13.249, 291.795**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 12.507, 104.315**, and **4, 6.930, 116.153** is the 20% darker color. If you saturate the color by 10%, you get **24, 16.010, 104.282**, and if you desaturate by 10%, it is **24, 8.798, 106.031**.

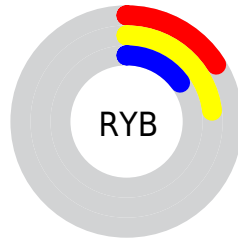
Distribution



Red (23%)

Green (23%)

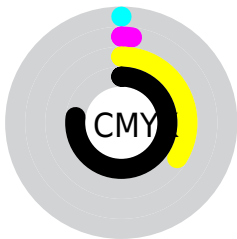
Blue (15%)



Red (16%)

Yellow (23%)

Blue (15%)

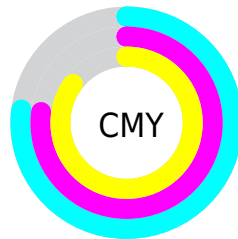


Cyan (0%)

Magenta (2%)

Yellow (34%)

Black (77%)



Cyan (77%)


Magenta (77%)


Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 12.435, 105.149 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, 12.435, 105.149 by changing the saturation by 10% instead.

 24, 12.435,
105.149


 24, 12.435,
105.149

 100, 12.435,
105.149


 14, 12.435,
105.149


 44, 12.435,
105.149


 4, 12.435, 105.149

 54, 12.435,
105.149

 0, 12.435, 105.149

 64, 12.435,
105.149

 74, 12.435,
105.149

 84, 12.435,
105.149

 94, 12.435,

105.149

■ 24, 12.435,
105.149

■ 24, 12.435,
105.149

■ 24, 16.010,
104.282

■ 24, 8.798, 106.031

■ 24, 5.125, 106.904

■ 24, 19.477,
103.430

■ 25, 1.437, 107.751

■ 23, 22.774,
102.612

■ 25, 2.253, 288.639

■ 23, 25.807,
101.846

■ 25, 5.937, 289.453

■ 26, 9.609, 290.249

■ 23, 28.374,
101.185

■ 26, 13.264,
291.016

■ 23, 30.620,
100.659

■ 26, 16.899,

■ 23, 31.991,
100.379

291.752

■ 27, 20.511,
292.455

Harmonies

Complementary

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



24, 12.435, 105.149



17, 13.249, 291.795

Rectangle

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



24, 12.435, 105.149



24, 12.435, 155.149



24, 12.435, 285.149



24, 12.435, 335.149

Sweetspot

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



24, 12.436, 105.153



32, 4.580, 107.201



18, 10.088, 17.984



15, 3.067, 107.166



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, 12.436, 105.153



31, 18.588, 104.370



24, 13.822, 125.898



11, 2.110, 107.370



37, 45.251, 99.808



83, 84.076, 99.552

Inverse Universe

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



17, 13.249, 291.795



20, 20.224, 293.095



17, 14.465, 308.821



10, 2.145, 288.885



8, 61.697, 304.985



28, 118.375, 305.809

Previews

White Background



This preview shows how the CIELCh color 24, 12.435, 105.149 looks on a white background.

Color Contrast Check

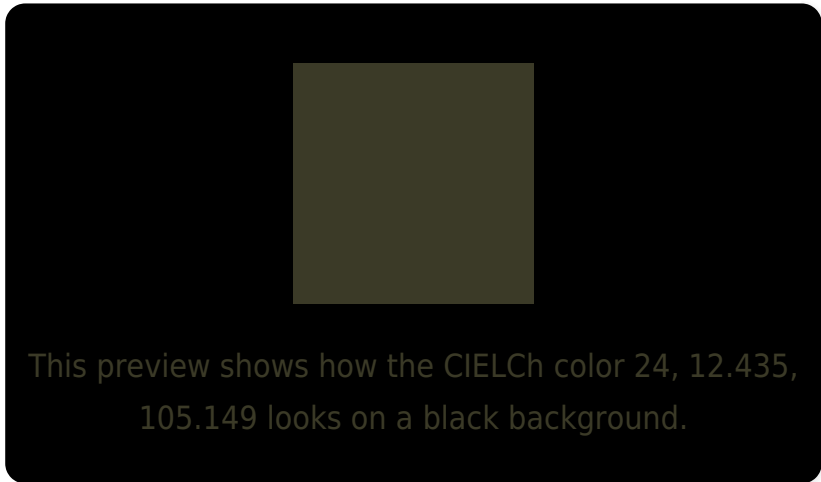
Large Text (above 18pt) WCAG AA ✓ Pass

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

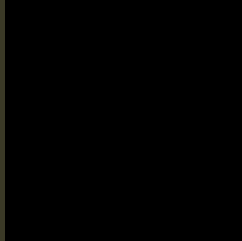
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

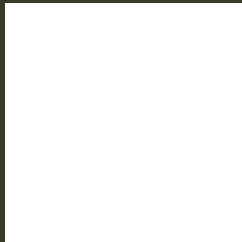
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 12.435, 105.149

Background



This preview shows how black text looks on a background with the CIELCh color 24, 12.435, 105.149.

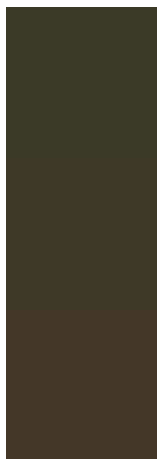


This preview shows how white text looks on a background with the CIELCh color 24, 12.435, 105.149.

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, 12.435, 105.149

Protanopia

24, 12.089, 95.501

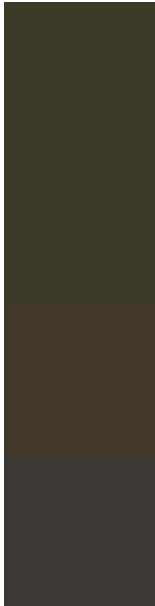
Deuteranopia

24, 12.010, 74.491



Tritanopia
24, 4.309, 329.876

Trichromacy



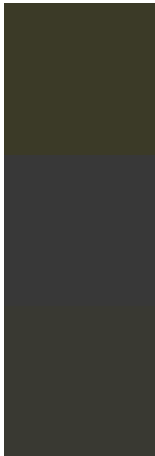
Original Color
24, 12.435, 105.149

Protanomaly
24, 11.988, 97.876

Deuteranomaly
24, 11.526, 84.524

Tritanomaly
24, 3.247, 73.968

Monochromacy



Original Color
24, 12.435, 105.149

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 4.623, 109.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 12.435, 105.149 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(59, 58, 39)` looks like.

```
.text, #text, p{  
    color:rgb(59, 58, 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(59, 58, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 58, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 12.435, 105.149 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(59, 58, 39) }
```

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

```
.border{ border-color:rgb(59, 58, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 58, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 58, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 58, 39);  
box-shadow:4px 4px 4px 4px rgb(59, 58, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 12.435, 105.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 58, 39) }
```

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

```
.background{ background-color: rgb(59, 58,  
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](#).

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