

Converting Colors

CIELCh(24, 5.043, 0.852)

Have a look what the booklet for
CIELCh(24, 5.043, 0.852) contains.

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Color

CIELCh(24, 4.833, 4.508)

Conversions

Conversions Part 1

Format	Color
Hex	413739
RGB	65, 55, 57
RGB Percent	25%, 22%, 22%
CMY	0.7466, 0.7857, 0.7779
CMYK	0.00, 0.15, 0.12, 0.75
HSL	348°, 8%, 23%
HSV	348°, 15%, 25%
XYZ	4.2331, 4.1002, 4.3911
YIQ	58.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

Format	Color
R _Y B	65, 55, 57
Decimal	4273977
CIE Lab	24.00, 4.82, 0.38
CIE LCh	24, 4.833, 4.508
Yxy	4.1002, 0.3327, 0.3222
Android (android.graphics.Color)	4282464057 (0xFF413739)
YUV	58.2180, -0.6005, 5.9478
Hunter-Lab	20.2490, 1.8798, 1.3170

Details

The CIELCh color $[24, 4.833, 4.508]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[26, 4.580, 182.088]$, and the grayscale version is $[24, 0.004, 296.813]$.

A 20% lighter version of the original color is $[44, 4.752, 5.429]$, and $[4, 4.986, 3.229]$ is the 20% darker color. If you saturate the color by 10%, you get $[22, 8.135, 5.550]$, and if you desaturate by 10%, it is $[26, 1.667, 3.549]$.

Distribution



Red (25%)

Green (22%)

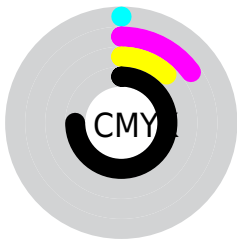
Blue (22%)



Red (25%)

Yellow (22%)

Blue (22%)

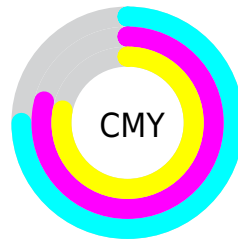


Cyan (0%)

Magenta (15%)

Yellow (12%)

Black (75%)



Cyan (75%)

Magenta (79%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 4.833, 4.508 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, 4.833, 4.508 by changing the saturation by 10% instead.

■ 24, 4.833, 4.508

■ 24, 4.833, 4.508

■ 100, 4.833, 4.508

■ 14, 4.833, 4.508

■ 44, 4.833, 4.508

■ 4, 4.833, 4.508

■ 54, 4.833, 4.508

■ 0, 4.833, 4.508

■ 64, 4.833, 4.508

■ 74, 4.833, 4.508

■ 84, 4.833, 4.508

■ 94, 4.833, 4.508

■ 24, 4.833, 4.508

■ 24, 4.833, 4.508

■ 22, 8.135, 5.550

■ 26, 1.667, 3.549

20, 11.553, 6.751

28, 1.353, 183.089

18, 15.047, 8.178

31, 4.227, 182.296

16, 18.554, 9.899

33, 6.962, 181.669

14, 21.987, 12.003

35, 9.567, 181.114

13, 25.241, 14.592

37, 12.051,
180.614

12, 28.184, 17.547

40, 14.424,
180.158

11, 30.998, 19.001

10, 32.323, 19.044

42, 16.698,
179.741

44, 18.881,
179.356

Harmonies

Complementary

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



24, 4.833, 4.508



26, 4.580, 182.088

Rectangle

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



24, 4.833, 4.508



24, 4.833, 54.508



24, 4.833, 184.508



24, 4.833, 234.508

Sweetspot

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



24, 4.832, 4.516



34, 1.903, 3.523



24, 7.543, 319.398



17, 1.310, 3.556



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, 4.832, 4.516



31, 7.473, 4.951



25, 3.837, 50.634



12, 1.749, 3.858



18, 44.367, 25.575



47, 84.938, 30.203

Inverse Universe

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



24, 4.832, 4.516



31, 7.473, 4.951



26, 3.560, 232.691



12, 1.749, 3.858



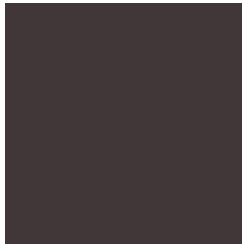
18, 44.367, 25.575



47, 84.938, 30.203

Previews

White Background



This preview shows how the CIELCh color 24, 4.833, 4.508 looks on a white background.

Color Contrast Check

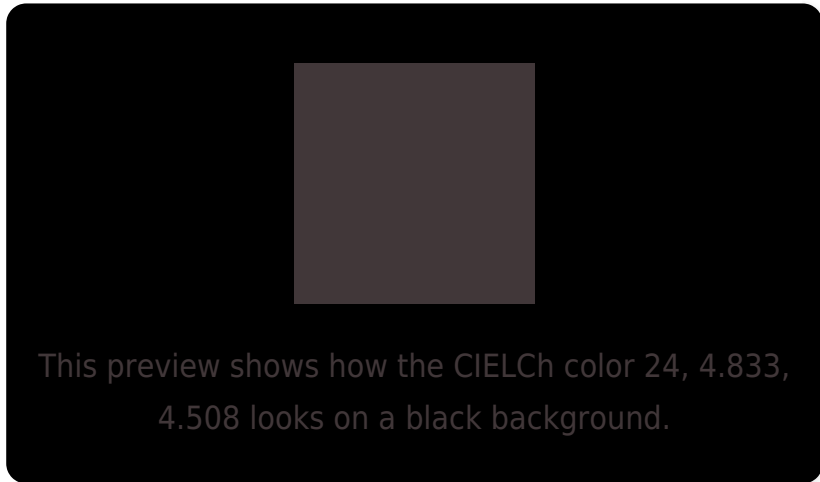
Large Text (above 18pt) WCAG AA ✓ Pass

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

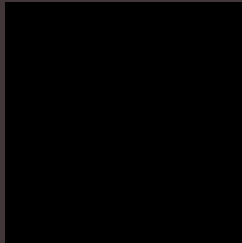
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 4.833, 4.508

Background



This preview shows how black text looks on a background with the CIELCh color 24, 4.833, 4.508.

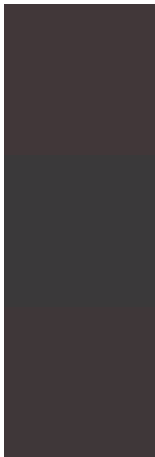


This preview shows how white text looks on a background with the CIELCh color 24, 4.833, 4.508.

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

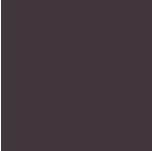
24, 4.833, 4.508

Protanopia

24, 0.811, 324.390

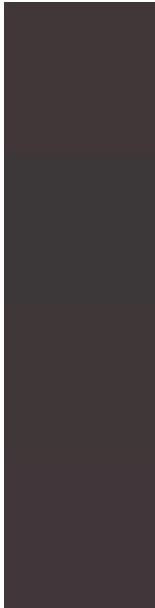
Deuteranopia

24, 3.936, 0.531



Tritanopia
24, 6.046, 347.474

Trichromacy



Original Color

24, 4.833, 4.508

Protanomaly

24, 2.269, 344.048

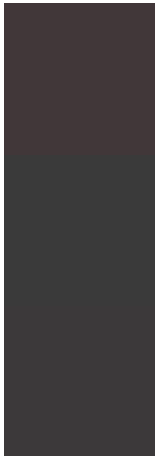
Deuteranomaly

24, 4.382, 2.710

Tritanomaly

24, 5.732, 353.095

Monochromacy



Original Color

24, 4.833, 4.508

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 1.529, 353.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 4.833, 4.508 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(65, 55, 57)` looks like.

```
.text, #text, p{  
    color:rgb(65, 55, 57)  
}
```

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(65, 55, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 55, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 4.833, 4.508 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(65, 55, 57) }
```

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

```
.border{ border-color:rgb(65, 55, 57) }
```

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

Here you see how a box with a 4 pixel rgb(65, 55, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 55, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 55, 57);  
box-shadow:4px 4px 4px 4px rgb(65, 55, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 4.833, 4.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 55, 57) }
```

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

```
.background{ background-color: rgb(65, 55,  
57) }
```

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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