

Converting Colors

CIELCh(24, 9.188, 34.652)

Have a look what the booklet for
CIELCh(24, 9.188, 34.652) contains.

CIELCh(24, 9.043, 33.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(24, 9.043, 33.536)

Conversions

Conversions Part 1

Format	Color
Hex	473532
RGB	71, 53, 50
RGB Percent	28%, 21%, 20%
CMY	0.7220, 0.7926, 0.8044
CMYK	0.00, 0.25, 0.30, 0.72
HSL	9°, 17%, 24%
HSV	9°, 30%, 28%
XYZ	4.4309, 4.1002, 3.5628
YIQ	58.0400, 11.6910, 2.8830

Conversions

Conversions Part 2

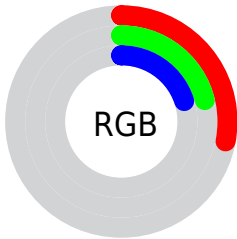
Format	Color
R_YB	71, 54, 50
Decimal	4666674
CIE Lab	24.00, 7.54, 5.00
CIE LCh	24, 9.043, 33.536
Yxy	4.1002, 0.3664, 0.3390
Android (android.graphics.Color)	4282856754 (0xFF473532)
YUV	58.0400, -3.9637, 11.3659
Hunter-Lab	20.2490, 3.6241, 3.7422

Details

The CIELCh color **24, 9.043, 33.536** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 7.522, 213.428**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 9.000, 35.684**, and **4, 9.202, 32.058** is the 20% darker color. If you saturate the color by 10%, you get **22, 12.552, 33.977**, and if you desaturate by 10%, it is **26, 5.770, 33.253**.

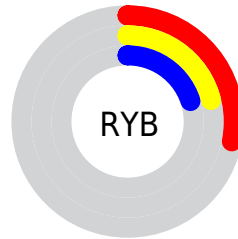
Distribution



 Red (28%)

 Green (21%)

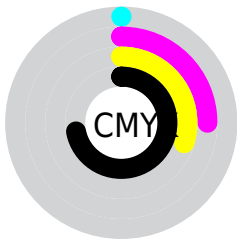
 Blue (20%)



 Red (28%)

 Yellow (21%)

 Blue (20%)

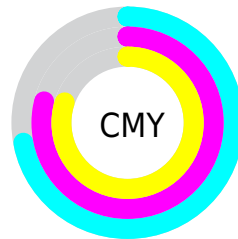


 Cyan (0%)


 Magenta (25%)

 Yellow (30%)

 Black (72%)



 Cyan (72%)

 Magenta (79%)

 Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 9.043, 33.536 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, 9.043, 33.536 by changing the saturation by 10% instead.

 24, 9.043, 33.536  24, 9.043, 33.536

 100, 9.043, 33.536  14, 9.043, 33.536

 44, 9.043, 33.536  4, 9.043, 33.536

 54, 9.043, 33.536  0, 9.043, 33.536


 64, 9.043, 33.536

 74, 9.043, 33.536

 84, 9.043, 33.536

 94, 9.043, 33.536

 24, 9.043, 33.536  24, 9.043, 33.536

 22, 12.552, 33.977  26, 5.770, 33.253

■ 20, 16.298, 34.596

■ 28, 2.726, 33.048

■ 18, 20.263, 35.437

■ 30, 0.106, 215.584

■ 17, 24.407, 36.529

■ 32, 2.741, 213.194

■ 15, 28.296, 36.931

■ 34, 5.200, 213.216

■ 14, 31.414, 36.087

■ 37, 7.500, 213.310

■ 13, 34.157, 35.865

■ 39, 9.659, 213.443

■ 13, 34.256, 35.877

■ 41, 11.693,
213.602

■ 43, 13.615,
213.779

Harmonies

Complementary

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



24, 9.043, 33.536



27, 7.522, 213.428

Rectangle

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



24, 9.043, 33.536



24, 9.043, 83.536



24, 9.043, 213.536



24, 9.043, 263.536

Sweetspot

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



24, 9.042, 33.543



37, 3.158, 33.042



24, 15.138, 329.879



17, 2.169, 33.058



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 9.042, 33.543



30, 14.022, 33.867



27, 9.406, 84.949



13, 1.583, 33.026



20, 47.327, 39.815



49, 93.161, 41.755

Inverse Universe

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



27, 7.522, 213.428



35, 11.029, 213.671



24, 9.246, 272.385



14, 1.508, 213.200



33, 21.939, 221.396



72, 39.954, 223.545

Previews

White Background



This preview shows how the CIELCh color 24, 9.043, 33.536 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



This preview shows how the CIE LCh color 24, 9.043, 33.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

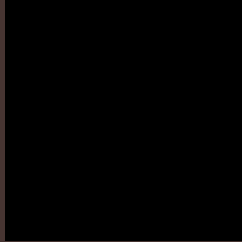
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 9.043, 33.536

Background



This preview shows how black text looks on a background with the CIELCh color 24, 9.043, 33.536.

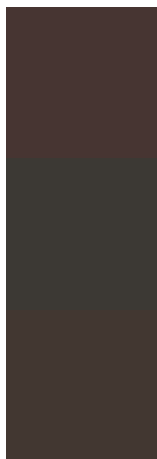


This preview shows how white text looks on a background with the CIELCh color 24, 9.043, 33.536.

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, 9.043, 33.536

Protanopia

24, 3.586, 86.162

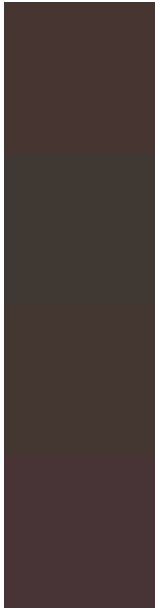
Deuteranopia

24, 6.696, 56.196



Tritanopia
24, 9.772, 5.870

Trichromacy



Original Color

24, 9.043, 33.536

Protanomaly

24, 5.073, 60.278

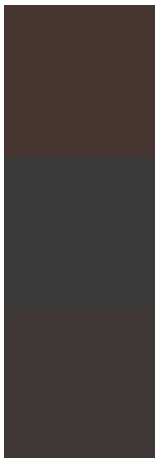
Deuteranomaly

24, 7.641, 45.929

Tritanomaly

24, 9.622, 13.545

Monochromacy



Original Color

24, 9.043, 33.536

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 3.342, 31.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 9.043, 33.536 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(71, 53, 50)` looks like.

```
.text, #text, p{  
    color:rgb(71, 53, 50)  
}
```

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(71, 53, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 53, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 9.043, 33.536 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(71, 53, 50) }
```

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

```
.border{ border-color:rgb(71, 53, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 53, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 53, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 53, 50);  
box-shadow:4px 4px 4px 4px rgb(71, 53, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 9.043, 33.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 53, 50) }
```

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

```
.background{ background-color: rgb(71, 53,  
50) }
```

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