

Converting Colors

CIELCh(24, 8.318, 19.914)

Have a look what the booklet for
CIELCh(24, 8.318, 19.914) contains.

CIELCh(24, 8.149, 20.983)	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, 8.149, 20.983)

Conversions

Conversions Part 1	
Format	Color
Hex	463535
RGB	70, 53, 53
RGB Percent	27%, 21%, 21%
CMY	0.7256, 0.7923, 0.7923
CMYK	0.00, 0.24, 0.24, 0.73
HSL	0°, 14%, 24%
HSV	0°, 24%, 27%
XYZ	4.4362, 4.1002, 3.9214
YIQ	58.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

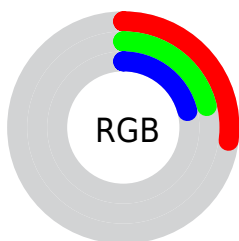
Format	Color
RYB	70, 53, 53
Decimal	4601141
CIELab	24.00, 7.61, 2.92
CIELCh	24, 8.149, 20.983
Yxy	4.1002, 0.3561, 0.3291
Android (android.graphics.Color)	4282791221 (0xFF463535)
YUV	58.0830, -2.5059, 10.4512
Hunter-Lab	20.2490, 3.6703, 2.6923

Details

The CIELCh color **24, 8.149, 20.983** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 7.065, 198.325**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 8.157, 24.561**, and **4, 8.390, 19.400** is the 20% darker color. If you saturate the color by 10%, you get **22, 11.896, 21.971**, and if you desaturate by 10%, it is **26, 4.630, 20.197**.

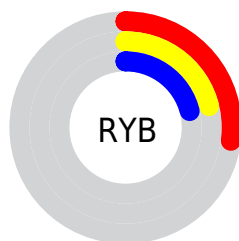
Distribution



Red (27%)

Green (21%)

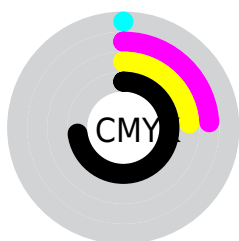
Blue (21%)



Red (27%)

Yellow (21%)

Blue (21%)

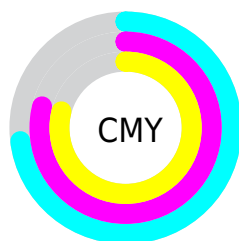


Cyan (0%)

Magenta (24%)

Yellow (24%)

Black (73%)



Cyan (73%)


Magenta (79%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 8.149, 20.983 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, 8.149, 20.983 by changing the saturation by 10% instead.

 24, 8.149, 20.983  24, 8.149, 20.983

 100, 8.149, 20.983  14, 8.149, 20.983

 44, 8.149, 20.983  4, 8.149, 20.983

 54, 8.149, 20.983  0, 8.149, 20.983

 64, 8.149, 20.983

 74, 8.149, 20.983

 84, 8.149, 20.983

 94, 8.149, 20.983

 24, 8.149, 20.983  24, 8.149, 20.983

 22, 11.896, 21.971  26, 4.630, 20.197

■ 20, 15.857, 23.210

■ 29, 1.344, 19.447

■ 18, 19.989, 24.781

■ 31, 1.722, 199.302

■ 16, 24.223, 26.762

■ 34, 4.582, 198.810

■ 14, 28.350, 28.820

■ 36, 7.255, 198.464

■ 13, 31.697, 29.536

■ 38, 9.760, 198.187

■ 12, 34.523, 29.557

■ 41, 12.116,
197.960

■ 11, 36.217, 29.366

■ 43, 14.338,
197.771

■ 46, 16.443,
197.612

Harmonies

Complementary

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



24, 8.149, 20.983



28, 7.065, 198.325

Rectangle

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



24, 8.149, 20.983



24, 8.149, 70.983



24, 8.149, 200.983



24, 8.149, 250.983

Sweetspot

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



24, 8.148, 20.990



37, 2.772, 19.697



25, 13.455, 325.612



18, 1.775, 19.702



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, 8.148, 20.990



31, 12.433, 21.542



27, 6.888, 72.742



13, 1.799, 19.794



19, 49.401, 35.624



47, 95.757, 40.001

Inverse Universe

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



28, 7.065, 198.325



37, 10.374, 198.076



26, 6.504, 258.568



14, 1.715, 199.093



38, 25.119, 196.397



82, 45.884, 196.398

Previews

White Background



This preview shows how the CIELCh color 24, 8.149, 20.983 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, 8.149, 20.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

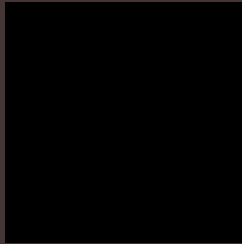
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 8.149, 20.983

Background



This preview shows how black text looks on a background with the CIELCh color 24, 8.149, 20.983.

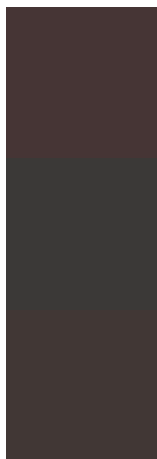


This preview shows how white text looks on a background with the CIELCh color 24, 8.149, 20.983.

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, 8.149, 20.983

Protanopia

24, 1.606, 74.616

Deuteranopia

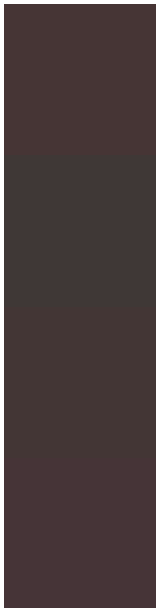
24, 4.941, 35.642



Tritanopia

24, 8.851, 3.954

Trichromacy



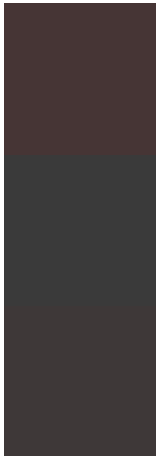
Original Color
24, 8.149, 20.983

Protanomaly
24, 3.550, 41.669

Deuteranomaly
24, 6.244, 26.579

Tritanomaly
24, 8.728, 8.148

Monochromacy



Original Color
24, 8.149, 20.983

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 2.786, 19.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 8.149, 20.983 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(70, 53, 53)` looks like.

```
.text, #text, p{  
    color:rgb(70, 53, 53)  
}
```

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(70, 53, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 53, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 8.149, 20.983 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(70, 53, 53) }
```

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

```
.border{ border-color:rgb(70, 53, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 53, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 53, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 53, 53);  
box-shadow:4px 4px 4px 4px rgb(70, 53, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 8.149, 20.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 53, 53) }
```

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

```
.background{ background-color: rgb(70, 53,  
53) }
```

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