

Converting Colors

CIELCh(24, 8.293, 11.280)

Have a look what the booklet for
CIELCh(24, 8.293, 11.280) contains.

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Color

CIELCh(24, 8.150, 11.777)

Conversions

Conversions Part 1

Format	Color
Hex	463537
RGB	70, 53, 55
RGB Percent	27%, 21%, 22%
CMY	0.7262, 0.7928, 0.7850
CMYK	0.00, 0.24, 0.21, 0.73
HSL	353°, 14%, 24%
HSV	353°, 24%, 27%
XYZ	4.4636, 4.1002, 4.1491
YIQ	58.3110, 9.4900, 4.2260

Conversions

Conversions Part 2

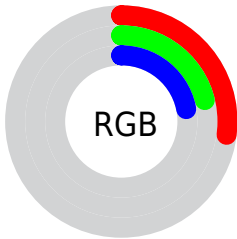
Format	Color
RYB	70, 53, 55
Decimal	4601143
CIELab	24.00, 7.98, 1.66
CIELCh	24, 8.150, 11.777
Yxy	4.1002, 0.3511, 0.3225
Android (android.graphics.Color)	4282791223 (0xFF463537)
YUV	58.3110, -1.6323, 10.2513
Hunter-Lab	20.2490, 3.9118, 2.0255

Details

The CIELCh color $24, 8.150, 11.777$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $28, 7.298, 188.012$, and the grayscale version is $24, 0.004, 296.813$.

A 20% lighter version of the original color is $44, 8.134, 12.035$, and $4, 8.494, 11.143$ is the 20% darker color. If you saturate the color by 10%, you get $22, 11.796, 12.947$, and if you desaturate by 10%, it is $26, 4.670, 10.798$.

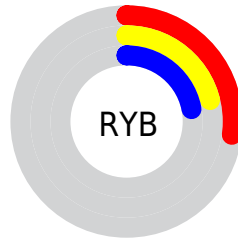
Distribution



 Red (27%)

 Green (21%)

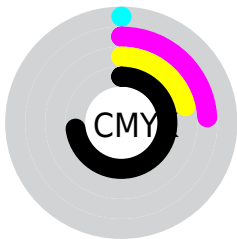
 Blue (22%)



 Red (27%)

 Yellow (21%)

 Blue (22%)

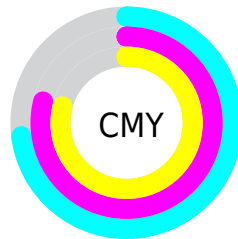


 Cyan (0%)

 Magenta (24%)

 Yellow (21%)

 Black (73%)



 Cyan (73%)

 Magenta (79%)

 Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 8.150, 11.777 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, 8.150, 11.777 by changing the saturation by 10% instead.

■ 24, 8.150, 11.777 ■ 24, 8.150, 11.777

■ 100, 8.150, 11.777 ■ 14, 8.150, 11.777

■ 44, 8.150, 11.777 ■ 4, 8.150, 11.777

■ 54, 8.150, 11.777 ■ 0, 8.150, 11.777

■ 64, 8.150, 11.777

■ 74, 8.150, 11.777

■ 84, 8.150, 11.777

■ 94, 8.150, 11.777

■ 24, 8.150, 11.777 ■ 24, 8.150, 11.777

■ 22, 11.796, 12.947 ■ 26, 4.670, 10.798

20, 15.579, 14.356

29, 1.373, 9.856

18, 19.442, 16.087

31, 1.742, 189.489

16, 23.303, 18.228

33, 4.681, 188.797

14, 27.058, 20.876

36, 7.457, 188.250

13, 30.471, 23.547

38, 10.081,
187.775

12, 33.387, 24.693

41, 12.569,
187.354

11, 35.022, 24.512

43, 14.934,
186.977

45, 17.188,
186.636

Harmonies

Complementary

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



24, 8.150, 11.777



28, 7.298, 188.012

Rectangle

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



24, 8.150, 11.777



24, 8.150, 61.777



24, 8.150, 191.777



24, 8.150, 241.777

Sweetspot

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



24, 8.149, 11.783



37, 2.807, 10.158



24, 12.961, 321.773



18, 1.797, 10.165



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, 8.149, 11.783



31, 12.377, 12.441



26, 6.607, 57.860



13, 1.820, 10.281



19, 47.097, 30.784



47, 90.483, 35.537

Inverse Universe

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



24, 8.149, 11.783



31, 12.377, 12.441



26, 5.946, 242.349



13, 1.820, 10.281



19, 47.097, 30.784



47, 90.483, 35.537

Previews

White Background



This preview shows how the CIELCh color 24, 8.150, 11.777 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, 8.150, 11.777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

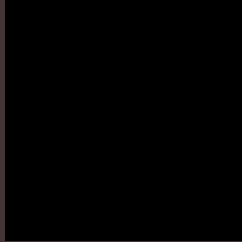
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 8.150, 11.777

Background



This preview shows how black text looks on a background with the CIELCh color 24, 8.150, 11.777.

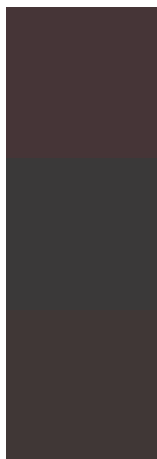


This preview shows how white text looks on a background with the CIELCh color 24, 8.150, 11.777.

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, 8.150, 11.777

Protanopia

24, 0.457, 18.991

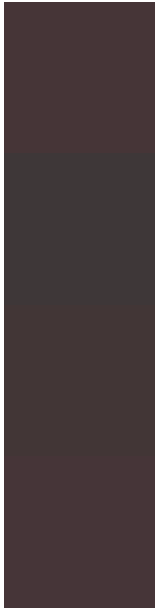
Deuteranopia

24, 4.299, 28.945



Tritanopia
24, 8.370, 2.826

Trichromacy



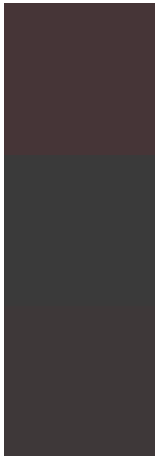
Original Color
24, 8.150, 11.777

Protanomaly
24, 3.320, 8.512

Deuteranomaly
24, 5.683, 20.468

Tritanomaly
24, 8.234, 7.240

Monochromacy



Original Color
24, 8.150, 11.777

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 2.852, 6.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 8.150, 11.777 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(70, 53, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 53, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 8.150, 11.777 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, 55) }
```

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

```
.border{ border-color:rgb(70, 53, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 53, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 53, 55);  
box-shadow:4px 4px 4px 4px rgb(70, 53, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 8.150, 11.777 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, 55) }
```

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

```
.background{ background-color: rgb(70, 53,  
55) }
```

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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