

Converting Colors

CIELCh(24, 18.721, 104.793)

Have a look what the booklet for
CIELCh(24, 18.721, 104.793)
contains.

CIELCh(24, 18.711, 104.478)	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, 18.711, 104.478)

Conversions

Conversions Part 1

Format	Color
Hex	3B3A1D
RGB	59, 58, 29
RGB Percent	23%, 23%, 11%
CMY	0.7670, 0.7710, 0.8848
CMYK	0.00, 0.02, 0.51, 0.77
HSL	58°, 34%, 17%
HSV	58°, 51%, 23%
XYZ	3.5884, 4.1002, 1.7894
YIQ	54.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

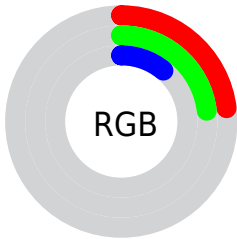
Format	Color
RYB	30, 59, 29
Decimal	3881501
CIELab	24.00, -4.68, 18.12
CIElCh	24, 18.711, 104.478
Yxy	4.1002, 0.3786, 0.4326
Android (android.graphics.Color)	4282071581 (0xFF3B3A1D)
YUV	54.9930, -12.8145, 3.5141
Hunter-Lab	20.2490, -3.8026, 8.9348

Details

The CIELCh color **24, 18.711, 104.478** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 20.855, 294.975**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 18.942, 104.658**, and **4, 7.266, 128.112** is the 20% darker color. If you saturate the color by 10%, you get **24, 22.129, 103.674**, and if you desaturate by 10%, it is **24, 15.138, 105.321**.

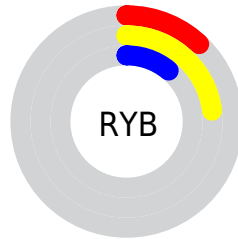
Distribution



Red (23%)

Green (23%)

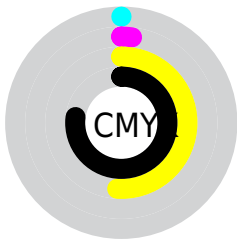
Blue (11%)



Red (12%)

Yellow (23%)

Blue (11%)

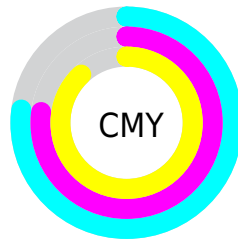


Cyan (0%)

Magenta (2%)

Yellow (51%)

Black (77%)



Cyan (77%)

Magenta (77%)

Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 18.711, 104.478 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, 18.711, 104.478 by changing the saturation by 10% instead.


 24, 18.711,
104.478

 24, 18.711,
104.478


 100, 18.711,
104.478

 14, 18.711,
104.478


 44, 18.711,
104.478

 4, 18.711, 104.478

 54, 18.711,
104.478

 0, 18.711, 104.478

 64, 18.711,
104.478

 74, 18.711,
104.478

 84, 18.711,
104.478

 94, 18.711,

104.478

■ 24, 18.711,
104.478

■ 24, 18.711,
104.478

■ 24, 22.129,
103.674

■ 24, 15.138,
105.321

■ 24, 25.306,
102.920

■ 24, 11.468,
106.180

■ 24, 28.121,
102.243

■ 25, 7.739, 107.044

■ 23, 30.452,
101.716

■ 25, 3.979, 107.901

■ 25, 0.205, 108.598

■ 23, 32.631,
101.296

■ 25, 3.571, 289.600

■ 26, 7.339, 290.403

■ 26, 11.095,
291.182

■ 26, 14.834,
291.933

Harmonies

Complementary

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



24, 18.711, 104.478



13, 20.855, 294.975

Rectangle

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



24, 18.711, 104.478



24, 18.711, 154.478



24, 18.711, 284.478



24, 18.711, 334.478

Sweetspot

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



24, 18.712, 104.481



32, 6.980, 107.464



15, 15.815, 20.234



15, 4.674, 107.412



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, 18.712, 104.481



31, 27.383, 103.429



23, 20.531, 125.207



11, 2.145, 108.077



38, 45.748, 100.830



84, 85.070, 100.662

Inverse Universe

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



13, 20.855, 294.975



14, 31.801, 297.336



14, 22.052, 309.691



10, 2.181, 289.572



8, 62.627, 305.405



28, 119.046, 305.965

Previews

White Background



This preview shows how the CIE LCh color 24, 18.711, 104.478 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 CIELCh color 24, 18.711, 104.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

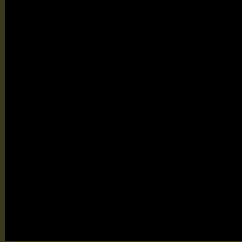
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

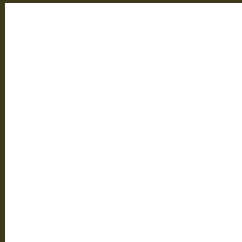
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 18.711, 104.478

Background



This preview shows how black text looks on a background with the CIELCh color 24, 18.711, 104.478.

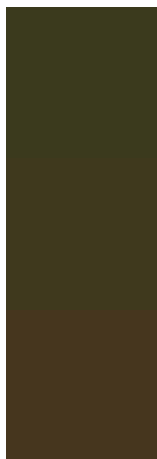


This preview shows how white text looks on a background with the CIELCh color 24, 18.711, 104.478.

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, 18.711, 104.478

Protanopia

24, 18.431, 96.316

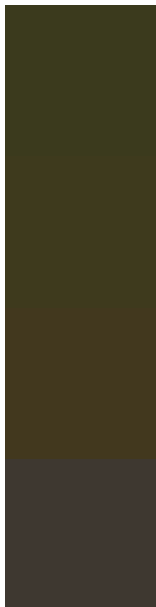
Deuteranopia

24, 18.078, 78.589



Tritanopia
24, 4.531, 344.544

Trichromacy



Original Color
24, 18.711, 104.478

Protanomaly
24, 18.833, 99.697

Deuteranomaly
24, 17.807, 89.190

Tritanomaly
24, 6.043, 80.199

Monochromacy



Original Color
24, 18.711, 104.478

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 6.631, 104.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 18.711, 104.478 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(59, 58, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 58, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 18.711, 104.478 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, 29) }
```

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

```
.border{ border-color:rgb(59, 58, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 58, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 58, 29);  
box-shadow:4px 4px 4px 4px rgb(59, 58, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 18.711, 104.478 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, 29) }
```

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

```
.background{ background-color: rgb(59, 58,  
29) }
```

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