

Converting Colors

CIELCh(24, 23.973, 104.933)

Have a look what the booklet for
CIELCh(24, 23.973, 104.933)
contains.

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Color

CIELCh(24, 23.917, 104.985)

Conversions

Conversions Part 1

Format	Color
Hex	3B3B15
RGB	59, 59, 21
RGB Percent	23%, 23%, 8%
CMY	0.7690, 0.7690, 0.9180
CMYK	0.00, 0.00, 0.64, 0.77
HSL	60°, 48%, 16%
HSV	60°, 64%, 23%
XYZ	3.4926, 4.1002, 1.3129
YIQ	54.6680, 12.1980, -11.8180

Conversions

Conversions Part 2

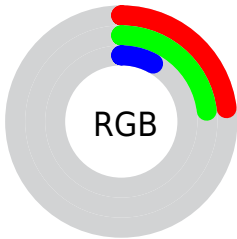
Format	Color
R_{YB}	21, 59, 21
Decimal	3881749
CIE Lab	24.00, -6.18, 23.10
CIE LCh	24, 23.917, 104.985
Yxy	4.1002, 0.3922, 0.4604
Android (android.graphics.Color)	4282071829 (0xFF3B3B15)
YUV	54.6680, -16.5983, 3.7992
Hunter-Lab	20.2490, -4.6472, 10.3301

Details

The CIELCh color **24, 23.917, 104.985** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 28.088, 298.647**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 24.069, 104.467**, and **4, 8.136, 133.179** is the 20% darker color. If you saturate the color by 10%, you get **24, 27.004, 104.329**, and if you desaturate by 10%, it is **24, 20.535, 105.719**.

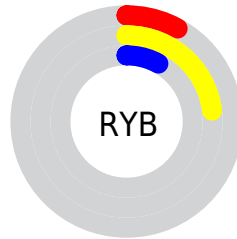
Distribution



 Red (23%)

 Green (23%)

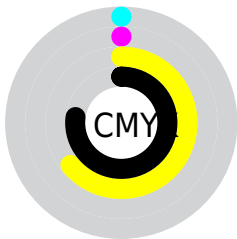
 Blue (8%)



 Red (8%)

 Yellow (23%)

 Blue (8%)

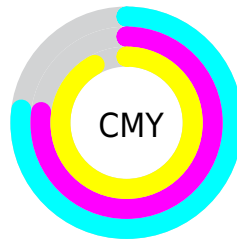


 Cyan (0%)

 Magenta (0%)

 Yellow (64%)

 Black (77%)



 Cyan (77%)


 Magenta (77%)


 Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 23.917, 104.985 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, 23.917, 104.985 by changing the saturation by 10% instead.

 24, 23.917,
104.985

 24, 23.917,
104.985

 100, 23.917,
104.985


 14, 23.917,
104.985


 44, 23.917,
104.985


 4, 23.917, 104.985

 54, 23.917,
104.985

 0, 23.917, 104.985

 64, 23.917,
104.985

 74, 23.917,
104.985

 84, 23.917,
104.985

 94, 23.917,

104.985

■ 24, 23.917,
104.985

■ 24, 23.917,
104.985

■ 24, 27.004,
104.329

■ 24, 20.535,
105.719

■ 24, 29.633,
103.789

■ 24, 16.954,
106.502

■ 24, 32.006,
103.375

■ 24, 13.243,
107.316

■ 24, 33.313,
103.174

■ 24, 9.450, 108.146

■ 25, 5.608, 108.980

■ 25, 1.738, 109.799

■ 25, 2.142, 290.645

■ 25, 6.023, 291.435

■ 25, 9.896, 292.207

Harmonies

Complementary

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



24, 23.917, 104.985



9, 28.088, 298.647

Rectangle

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



24, 23.917, 104.985



24, 23.917, 154.985



24, 23.917, 284.985



24, 23.917, 334.985

Sweetspot

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



24, 23.917, 104.988



32, 9.130, 108.531



13, 20.956, 26.290



15, 6.166, 108.451



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, 23.917, 104.988



31, 34.091, 103.976



22, 25.927, 126.561



11, 2.219, 109.476



39, 46.825, 102.861



86, 87.233, 102.861

Inverse Universe

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



9, 28.088, 298.647



10, 42.510, 301.701



11, 28.177, 311.884



10, 2.259, 290.930



7, 64.585, 306.249



27, 120.453, 306.288

Previews

White Background



This preview shows how the CIELCh color 24, 23.917, 104.985 looks on a white background.

Color Contrast Check

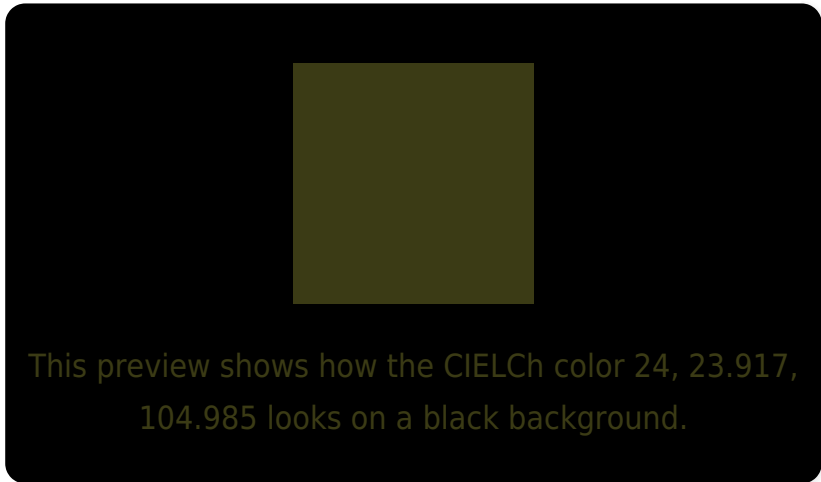
Large Text (above 18pt) WCAG AA ✓ Pass

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

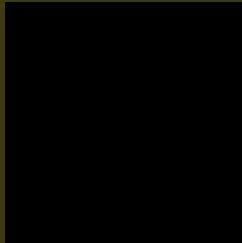
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 23.917, 104.985

Background



This preview shows how black text looks on a background with the CIELCh color 24, 23.917, 104.985.



This preview shows how white text looks on a background with the CIELCh color 24, 23.917, 104.985.

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, 23.917, 104.985

Protanopia

24, 23.765, 95.869

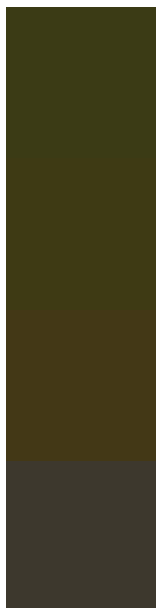
Deuteranopia

24, 22.854, 81.667



Tritanopia
24, 4.167, 340.719

Trichromacy



Original Color
24, 23.917, 104.985

Protanomaly
24, 24.057, 99.821

Deuteranomaly
24, 22.647, 90.141

Tritanomaly
24, 7.678, 89.889

Monochromacy



Original Color
24, 23.917, 104.985

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 8.588, 108.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 23.917, 104.985 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, 59, 21)` looks like.

```
.text, #text, p{  
    color:rgb(59, 59, 21)  
}
```

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, 59, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 59, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 23.917, 104.985 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, 59, 21) }
```

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

```
.border{ border-color:rgb(59, 59, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 59, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 59, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 59, 21);  
box-shadow:4px 4px 4px 4px rgb(59, 59, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 23.917, 104.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 59, 21) }
```

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

```
.background{ background-color: rgb(59, 59,  
21) }
```

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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