

Converting Colors

CIELCh(24, 13.955, 133.407)

Have a look what the booklet for
CIELCh(24, 13.955, 133.407)
contains.

CIELCh(24, 13.920, 133.974)	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, 13.920, 133.974)

Conversions

Conversions Part 1

Format	Color
Hex	303D2A
RGB	48, 61, 42
RGB Percent	19%, 24%, 16%
CMY	0.8127, 0.7617, 0.8362
CMYK	0.21, 0.00, 0.31, 0.76
HSL	101°, 19%, 20%
HSV	101°, 31%, 24%
XYZ	3.2778, 4.1002, 2.7879
YIQ	54.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

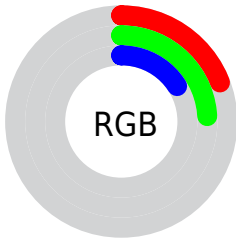
Format	Color
RYB	42, 61, 55
Decimal	3161386
CIELab	24.00, -9.67, 10.02
CIELCh	24, 13.920, 133.974
Yxy	4.1002, 0.3224, 0.4033
Android (android.graphics.Color)	4281351466 (0xFF303D2A)
YUV	54.9470, -6.3829, -6.0925
Hunter-Lab	20.2490, -6.5411, 6.0112

Details

The CIELCh color **24, 13.920, 133.974** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 14.224, 316.391**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 13.885, 133.862**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.328, 133.508**, and if you desaturate by 10%, it is **24, 9.464, 134.419**.

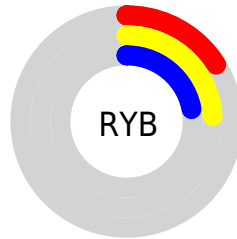
Distribution



Red (19%)

Green (24%)

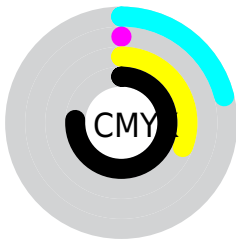
Blue (16%)



Red (16%)

Yellow (24%)

Blue (22%)

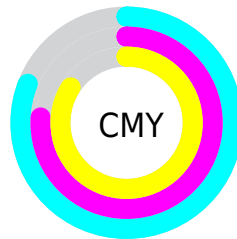


Cyan (21%)

Magenta (0%)

Yellow (31%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 13.920, 133.974 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, 13.920, 133.974 by changing the saturation by 10% instead.

 24, 13.920,
133.974


 24, 13.920,
133.974

 100, 13.920,
133.974


 14, 13.920,
133.974


 44, 13.920,
133.974


 4, 13.920, 133.974

 54, 13.920,
133.974

 0, 13.920, 133.974

 64, 13.920,
133.974

 74, 13.920,
133.974

 84, 13.920,
133.974

 94, 13.920,

133.974

■ 24, 13.920,
133.974

■ 24, 13.920,
133.974

■ 24, 18.328,
133.508

■ 24, 9.464, 134.419

■ 23, 22.633,
133.034

■ 25, 4.997, 134.835

■ 23, 26.764,
132.582

■ 26, 0.550, 135.331

■ 22, 30.626,
132.194

■ 26, 3.856, 315.508

■ 22, 34.085,
131.957

■ 27, 8.202, 315.818

■ 22, 37.049,
131.993

■ 27, 12.480,
316.087

■ 28, 16.679,
316.323

■ 22, 39.586,
131.912

■ 29, 20.797,
316.531

■ 30, 24.829,
316.713

Harmonies

Complementary

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



24, 13.920, 133.974



19, 14.224, 316.391

Rectangle

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



24, 13.920, 133.974



24, 13.920, 183.974



24, 13.920, 313.974



24, 13.920, 3.974

Sweetspot

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



24, 13.921, 133.975



33, 4.974, 134.910



23, 9.118, 88.994



16, 3.489, 134.883



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 13.921, 133.975



31, 21.038, 133.580



24, 13.517, 147.965



11, 2.477, 134.949



35, 54.956, 131.949



78, 103.684, 133.012

Inverse Universe

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



19, 14.224, 316.391



24, 21.622, 316.711



20, 13.566, 331.650



10, 2.495, 315.519



15, 57.814, 317.501



41, 108.184, 316.758

Previews

White Background



This preview shows how the CIELCh color 24, 13.920, 133.974 looks on a white background.

Color Contrast Check

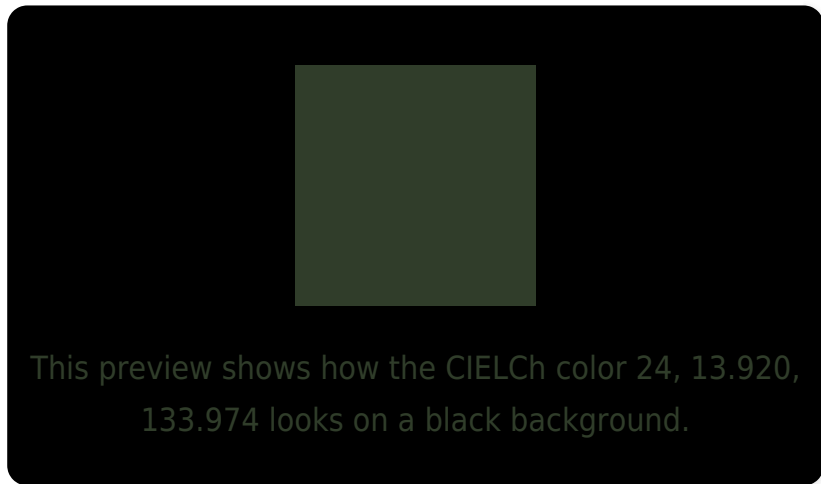
Large Text (above 18pt) WCAG AA ✓ Pass

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

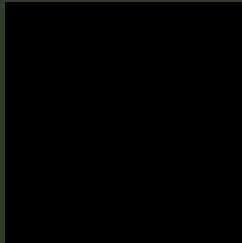
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

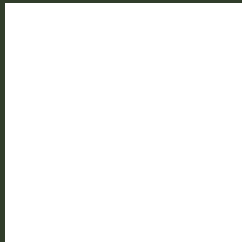
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 13.920, 133.974

Background



This preview shows how black text looks on a background with the CIELCh color 24, 13.920, 133.974.

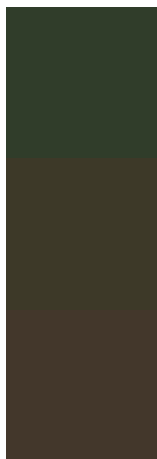


This preview shows how white text looks on a background with the CIELCh color 24, 13.920, 133.974.

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, 13.920, 133.974

Protanopia

24, 11.349, 97.513

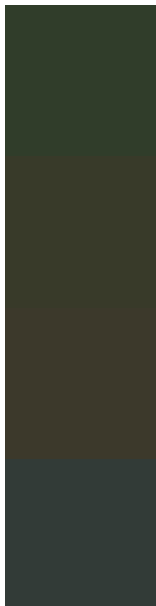
Deuteranopia

24, 10.033, 71.492



Tritanopia
24, 4.411, 248.000

Trichromacy



Original Color

24, 13.920, 133.974

Protanomaly

24, 11.190, 112.808

Deuteranomaly

24, 9.333, 98.998

Tritanomaly

24, 4.877, 165.632

Monochromacy



Original Color

24, 13.920, 133.974

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 5.216, 135.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 13.920, 133.974 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(48, 61, 42)` looks like.

```
.text, #text, p{  
    color:rgb(48, 61, 42)  
}
```

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(48, 61, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 61, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 13.920, 133.974 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(48, 61, 42) }
```

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

```
.border{ border-color:rgb(48, 61, 42) }
```

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

Here you see how a box with a 4 pixel rgb(48, 61, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 61, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 61, 42);  
box-shadow:4px 4px 4px 4px rgb(48, 61, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 13.920, 133.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 61, 42) }
```

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

```
.background{ background-color: rgb(48, 61,  
42) }
```

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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