

Converting Colors

CIELCh(21, 34.207, 123.629)

Have a look what the booklet for
CIELCh(21, 34.207, 123.629)
contains.

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Color

CIELCh(21, 34.242, 123.573)

Conversions

Conversions Part 1

Format	Color
Hex	223901
RGB	34, 57, 1
RGB Percent	13%, 22%, 0%
CMY	0.8674, 0.7772, 0.9970
CMYK	0.40, 0.00, 0.99, 0.78
HSL	85°, 97%, 11%
HSV	85°, 99%, 22%
XYZ	2.1110, 3.2451, 0.5367
YIQ	43.7390, 4.2680, -22.2920

Conversions

Conversions Part 2

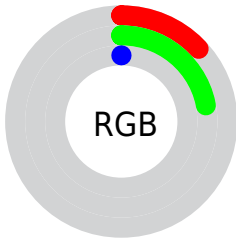
Format	Color
R_{YB}	1, 57, 24
Decimal	2242817
CIE Lab	21.00, -18.94, 28.53
CIE LCh	21, 34.242, 123.573
Yxy	3.2451, 0.3582, 0.5507
Android (android.graphics.Color)	4280432897 (0xFF223901)
YUV	43.7390, -21.0703, -8.5411
Hunter-Lab	18.0142, -10.6071, 10.8434

Details

The CIELCh color **21, 34.242, 123.573** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 39.428, 309.450**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 34.177, 123.426**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 34.583, 123.606**, and if you desaturate by 10%, it is **21, 31.685, 123.310**.

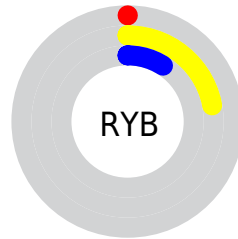
Distribution



Red (13%)

Green (22%)

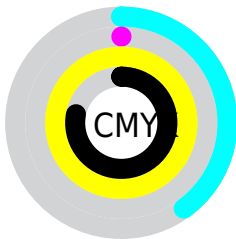
Blue (0%)



Red (0%)

Yellow (22%)

Blue (9%)

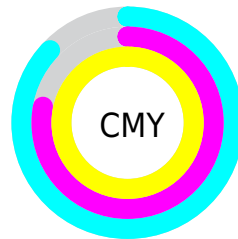


Cyan (40%)

Magenta (0%)

Yellow (99%)

Black (78%)



Cyan (87%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 34.242, 123.573 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 21, 34.242, 123.573 by changing the saturation by 10% instead.

 21, 34.242,
123.573


 21, 34.242,
123.573

 100, 34.242,
123.573


 11, 34.242,
123.573


 41, 34.242,
123.573


 1, 34.242, 123.573

 51, 34.242,
123.573

 0, 34.242, 123.573

 61, 34.242,
123.573

 71, 34.242,
123.573

 81, 34.242,
123.573

 91, 34.242,

123.573

■ 21, 34.242,
123.573

■ 21, 34.242,
123.573

■ 21, 34.583,
123.606

■ 21, 31.685,
123.310

■ 21, 29.091,
123.030

■ 22, 25.981,
123.133

■ 22, 22.537,
123.419

■ 22, 18.888,
123.791

■ 22, 15.105,
124.210

■ 23, 11.241,
124.649

■ 23, 7.331, 125.089

■ 24, 3.402, 125.522

Harmonies

Complementary

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



21, 34.242, 123.573



5, 39.428, 309.450

Rectangle

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



21, 34.242, 123.573



21, 34.242, 173.573



21, 34.242, 303.573



21, 34.242, 353.573

Sweetspot

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



21, 34.242, 123.574



30, 14.651, 124.526



13, 23.884, 51.403



14, 10.087, 124.465



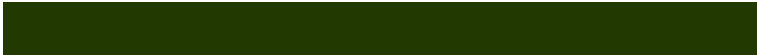
68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 34.242, 123.574



28, 42.705, 123.163



20, 38.867, 136.176



10, 2.150, 125.538



35, 49.752, 123.629



79, 94.648, 124.939

Inverse Universe

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



5, 39.428, 309.450



7, 51.210, 311.056



9, 39.492, 324.843



9, 2.178, 306.207



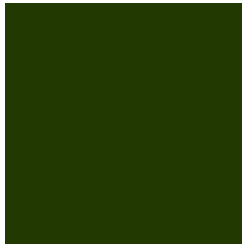
10, 59.798, 310.809



32, 113.639, 309.929

Previews

White Background



This preview shows how the CIELCh color 21, 34.242, 123.573 looks on a white background.

Color Contrast Check

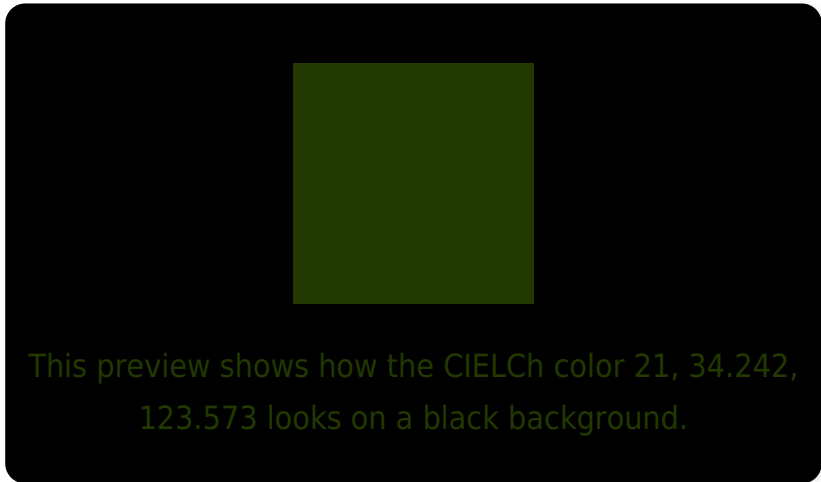
Large Text (above 18pt) WCAG AA ✓ Pass

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

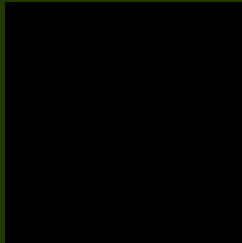
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 34.242, 123.573

Background



This preview shows how black text looks on a background with the CIELCh color 21, 34.242, 123.573.



This preview shows how white text looks on a background with the CIELCh color 21, 34.242, 123.573.

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

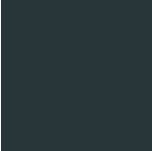
21, 34.242, 123.573

Protanopia

21, 29.608, 97.059

Deuteranopia

21, 25.244, 83.678



Tritanopia
21, 6.045, 225.209

Trichromacy



Original Color
21, 34.242, 123.573

Protanomaly
21, 30.425, 107.690

Deuteranomaly
21, 26.541, 101.650

Tritanomaly
21, 13.764, 141.199

Monochromacy



Original Color
21, 34.242, 123.573

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 14.822, 124.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 34.242, 123.573 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(34, 57, 1)` looks like.

```
.text, #text, p{  
    color:rgb(34, 57, 1)  
}
```

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(34, 57, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 57, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 34.242, 123.573 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(34, 57, 1) }
```

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

```
.border{ border-color:rgb(34, 57, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 57, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 57, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(34, 57, 1); box-shadow:4px  
4px 4px 4px rgb(34, 57, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 34.242, 123.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 57, 1) }
```

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

```
.background{ background-color: rgb(34, 57,  
1) }
```

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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