

Converting Colors

CIELCh(21, 13.922, 111.178)

Have a look what the booklet for
CIELCh(21, 13.922, 111.178)
contains.

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Color

CIELCh(21, 13.957, 111.137)

Conversions

Conversions Part 1

Format	Color
Hex	32341F
RGB	50, 52, 31
RGB Percent	20%, 20%, 12%
CMY	0.8035, 0.7957, 0.8781
CMYK	0.04, 0.00, 0.40, 0.80
HSL	66°, 25%, 16%
HSV	66°, 40%, 20%
XYZ	2.8015, 3.2451, 1.7817
YIQ	49.0080, 5.5490, -6.9550

Conversions

Conversions Part 2

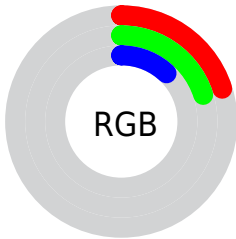
Format	Color
RYB	31, 52, 33
Decimal	3290143
CIELab	21.00, -5.03, 13.02
CIELCh	21, 13.957, 111.137
Yxy	3.2451, 0.3579, 0.4145
Android (android.graphics.Color)	4281480223 (0xFF32341F)
YUV	49.0080, -8.8779, 0.8700
Hunter-Lab	18.0142, -3.7653, 6.7460

Details

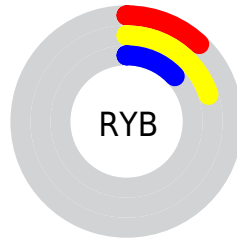
The CIELCh color **21, 13.957, 111.137** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 15.161, 297.501**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 13.829, 109.923**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 17.266, 110.478**, and if you desaturate by 10%, it is **21, 10.559, 111.826**.

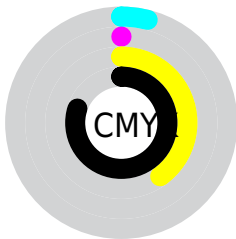
Distribution



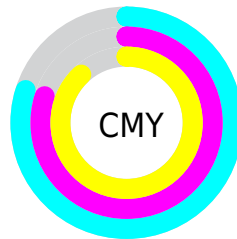
- Red (20%)
- Green (20%)
- Blue (12%)



- Red (12%)
- Yellow (20%)
- Blue (13%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (80%)





- Cyan (80%)
- Magenta (80%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 13.957, 111.137 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, 13.957, 111.137 by changing the saturation by 10% instead.

 21, 13.957,
111.137


 21, 13.957,
111.137

 100, 13.957,
111.137


 11, 13.957,
111.137


 41, 13.957,
111.137


 1, 13.957, 111.137


 51, 13.957,
111.137

 0, 13.957, 111.137

 61, 13.957,
111.137

 71, 13.957,
111.137

 81, 13.957,
111.137

 91, 13.957,

111.137

■ 21, 13.957,
111.137

■ 21, 13.957,
111.137

■ 21, 17.266,
110.478

■ 21, 10.559,
111.826

■ 21, 20.436,
109.860

■ 21, 7.103, 112.521

■ 21, 23.397,
109.313

■ 22, 3.613, 113.213

■ 22, 0.107, 113.797

■ 21, 25.852,
109.025

■ 22, 3.403, 294.569

■ 20, 27.958,
108.917

■ 22, 6.910, 295.213

■ 22, 10.407,
295.833

■ 20, 29.999,
108.844

■ 23, 13.888,
296.427

■ 23, 17.350,
296.994

Harmonies

Complementary

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



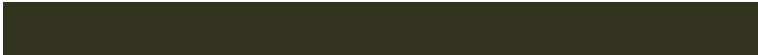
21, 13.957, 111.137



13, 15.161, 297.501

Rectangle

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



21, 13.957, 111.137



21, 13.957, 161.137



21, 13.957, 291.137



21, 13.957, 341.137

Sweetspot

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



21, 13.958, 111.140



29, 5.307, 113.052



15, 10.283, 28.753



14, 3.556, 113.045



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



21, 13.958, 111.140



28, 20.798, 110.459



20, 15.301, 130.368



9, 1.899, 113.370



36, 45.310, 108.275



83, 86.290, 108.736

Inverse Universe

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



13, 15.161, 297.501



16, 23.203, 298.732



14, 15.898, 313.450



8, 1.929, 294.405



7, 61.408, 306.849



27, 117.849, 306.556

Previews

White Background



This preview shows how the CIELCh color 21, 13.957, 111.137 looks on a white background.

Color Contrast Check

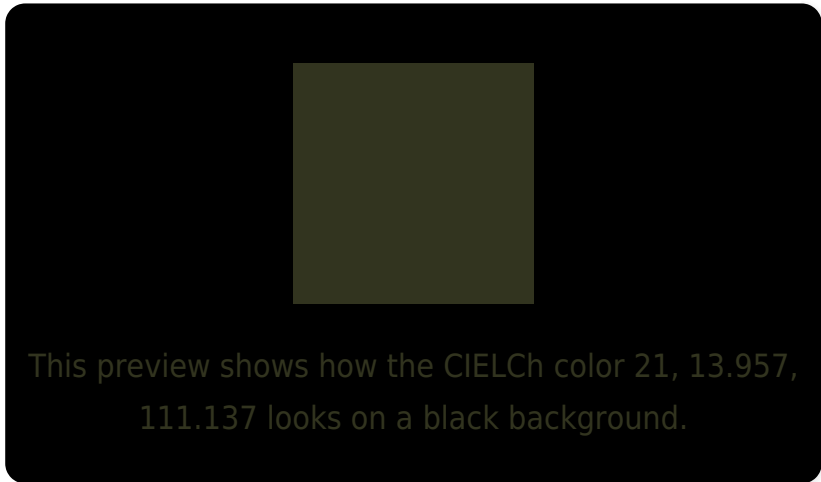
Large Text (above 18pt) WCAG AA ✓ Pass

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

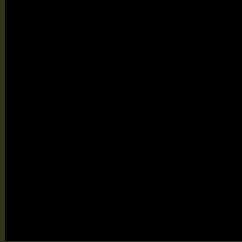
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 13.957, 111.137

Background



This preview shows how black text looks on a background with the CIELCh color 21, 13.957, 111.137.

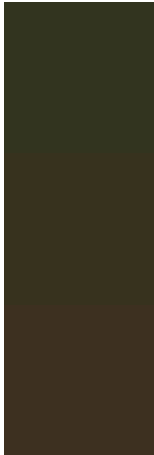


This preview shows how white text looks on a background with the CIELCh color 21, 13.957, 111.137.

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, 13.957, 111.137

Protanopia

21, 13.613, 95.847

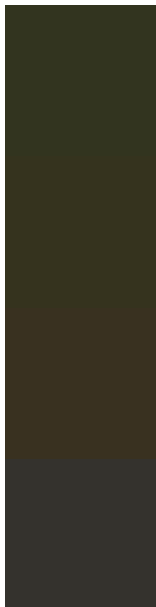
Deuteranopia

21, 12.887, 75.410



Tritanopia
21, 3.293, 324.759

Trichromacy



Original Color
21, 13.957, 111.137

Protanomaly
21, 13.991, 102.582

Deuteranomaly
21, 12.198, 87.324

Tritanomaly
21, 3.501, 93.356

Monochromacy



Original Color
21, 13.957, 111.137

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 5.419, 114.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 13.957, 111.137 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(50, 52, 31)` looks like.

```
.text, #text, p{  
    color:rgb(50, 52, 31)  
}
```

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(50, 52, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 52, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 13.957, 111.137 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(50, 52, 31) }
```

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

```
.border{ border-color:rgb(50, 52, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 52, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 52, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 52, 31);  
box-shadow:4px 4px 4px 4px rgb(50, 52, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 13.957, 111.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 52, 31) }
```

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

```
.background{ background-color: rgb(50, 52,  
31) }
```

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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