

Converting Colors

CIELCh(21, 13.592, 111.633)

Have a look what the booklet for
CIELCh(21, 13.592, 111.633)
contains.

CIELCh(21, 13.315, 111.476)	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(21, 13.315, 111.476)

Conversions

Conversions Part 1

Format	Color
Hex	323420
RGB	50, 52, 32
RGB Percent	20%, 20%, 13%
CMY	0.8037, 0.7959, 0.8743
CMYK	0.04, 0.00, 0.38, 0.80
HSL	66°, 24%, 16%
HSV	66°, 38%, 20%
XYZ	2.8101, 3.2451, 1.8485
YIQ	49.1220, 5.2280, -6.6440

Conversions

Conversions Part 2

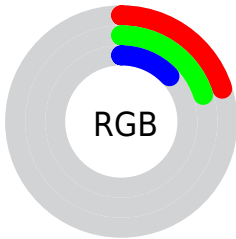
Format	Color
R_{YB}	32, 52, 34
Decimal	3290144
CIE Lab	21.00, -4.87, 12.39
CIE LCh	21, 13.315, 111.476
Yxy	3.2451, 0.3555, 0.4106
Android (android.graphics.Color)	4281480224 (0xFF323420)
YUV	49.1220, -8.4411, 0.7700
Hunter-Lab	18.0142, -3.6799, 6.5259

Details

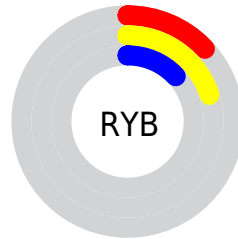
The CIELCh color **21, 13.315, 111.476** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 14.395, 297.445**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 13.234, 110.092**, and **1, 3.447, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 16.643, 110.817**, and if you desaturate by 10%, it is **21, 9.905, 112.162**.

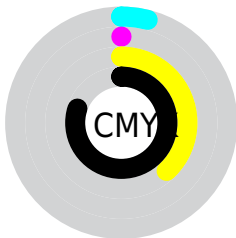
Distribution



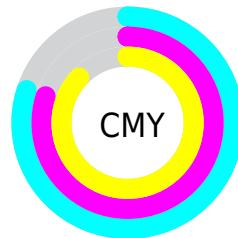
- Red (20%)
- Green (20%)
- Blue (13%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (38%)
- Black (80%)





- Cyan (80%)
- Magenta (80%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 13.315, 111.476 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, 13.315, 111.476 by changing the saturation by 10% instead.


 21, 13.315,
111.476


 21, 13.315,
111.476


 100, 13.315,
111.476


 11, 13.315,
111.476


 41, 13.315,
111.476


 1, 13.315, 111.476


 51, 13.315,
111.476

 0, 13.315, 111.476

 61, 13.315,
111.476

 71, 13.315,
111.476

 81, 13.315,
111.476

 91, 13.315,

111.476

■ 21, 13.315,
111.476

■ 21, 13.315,
111.476

■ 21, 16.643,
110.817

■ 21, 9.905, 112.162

■ 21, 19.843,
110.194

■ 21, 6.443, 112.852

■ 21, 22.851,
109.637

■ 22, 2.951, 113.536

■ 20, 25.428,
109.295

■ 22, 0.556, 294.232

■ 20, 27.549,
109.188

■ 22, 4.065, 294.873

■ 20, 29.657,
109.118

■ 22, 7.568, 295.507

■ 23, 11.060,
296.116

■ 23, 14.536,

■ 20, 29.988,
109.110

296.700

■ 23, 17.991,
297.255

Harmonies

Complementary

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



21, 13.315, 111.476



13, 14.395, 297.445

Rectangle

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



21, 13.315, 111.476



21, 13.315, 161.476



21, 13.315, 291.476



21, 13.315, 341.476

Sweetspot

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



21, 13.316, 111.479



29, 5.309, 113.248



15, 9.599, 30.015



14, 3.557, 113.241



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, 13.316, 111.479



28, 19.981, 110.811



20, 14.651, 131.002



9, 1.900, 113.563



36, 45.335, 108.543



82, 86.346, 109.026

Inverse Universe

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



13, 14.395, 297.445



17, 22.159, 298.612



15, 15.167, 313.914



8, 1.929, 294.590



7, 61.386, 306.887



27, 117.812, 306.576

Previews

White Background



This preview shows how the CIE LCh color 21, 13.315, 111.476 looks on a white background.

Color Contrast Check

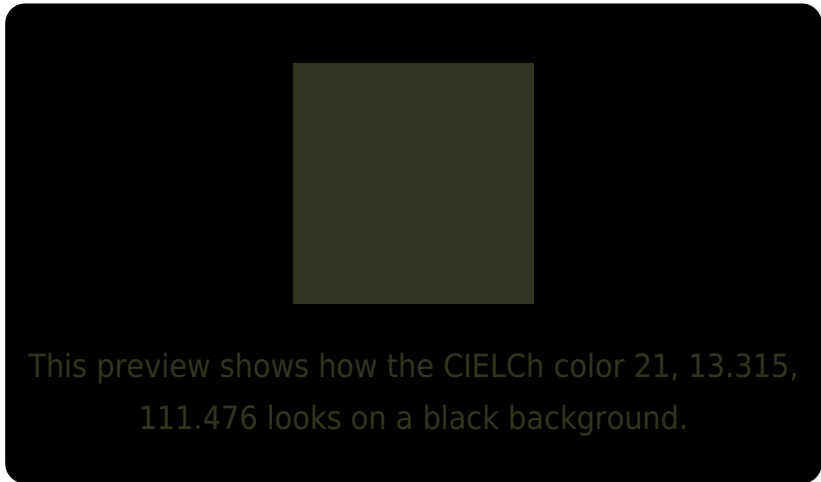
Large Text (above 18pt) WCAG AA ✓ Pass

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

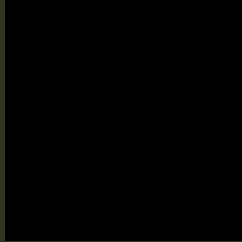
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

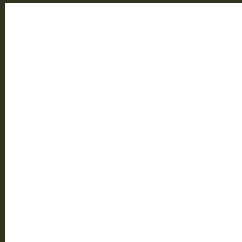
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 13.315, 111.476

Background



This preview shows how black text looks on a background with the CIELCh color 21, 13.315, 111.476.

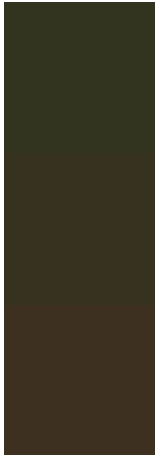


This preview shows how white text looks on a background with the CIELCh color 21, 13.315, 111.476.

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, 13.315, 111.476

Protanopia

21, 12.972, 95.498

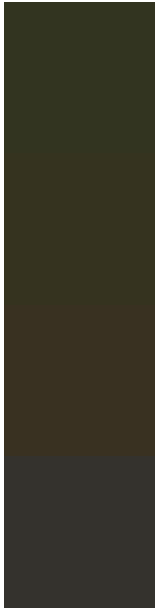
Deuteranopia

21, 12.310, 74.038



Tritanopia
21, 3.293, 324.759

Trichromacy



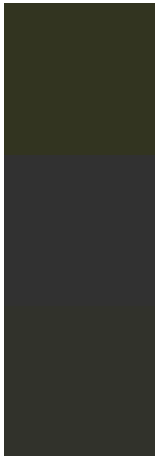
Original Color
21, 13.315, 111.476

Protanomaly
21, 13.347, 102.549

Deuteranomaly
21, 11.571, 86.447

Tritanomaly
21, 3.501, 93.356

Monochromacy



Original Color
21, 13.315, 111.476

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 4.750, 114.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 13.315, 111.476 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(50, 52, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 52, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 13.315, 111.476 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, 32) }
```

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

```
.border{ border-color:rgb(50, 52, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 52, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 52, 32);  
box-shadow:4px 4px 4px 4px rgb(50, 52, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 13.315, 111.476 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, 32) }
```

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

```
.background{ background-color: rgb(50, 52,  
32) }
```

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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