

Converting Colors

CIELCh(13, 15.607, 105.804)

Have a look what the booklet for
CIELCh(13, 15.607, 105.804)
contains.

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Color

CIELCh(13, 15.795, 106.335)

Conversions

Conversions Part 1

Format	Color
Hex	23230A
RGB	35, 35, 10
RGB Percent	14%, 14%, 4%
CMY	0.8636, 0.8637, 0.9623
CMYK	0.00, 0.00, 0.72, 0.86
HSL	60°, 57%, 9%
HSV	60°, 72%, 14%
XYZ	1.3323, 1.5625, 0.5073
YIQ	32.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

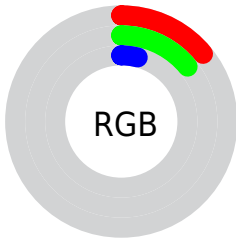
Format	Color
RYB	10, 35, 10
Decimal	2302730
CIELab	13.00, -4.44, 15.16
CIELCh	13, 15.795, 106.335
Yxy	1.5625, 0.3916, 0.4593
Android (android.graphics.Color)	4280492810 (0xFF23230A)
YUV	32.1500, -10.9200, 2.4995
Hunter-Lab	12.5000, -2.8493, 6.3437

Details

The CIELCh color **13, 15.795, 106.335** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 16.743, 292.014**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 15.536, 105.650**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 17.198, 106.259**, and if you desaturate by 10%, it is **13, 14.283, 106.460**.

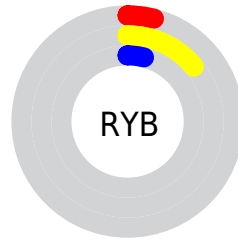
Distribution



 Red (14%)

 Green (14%)

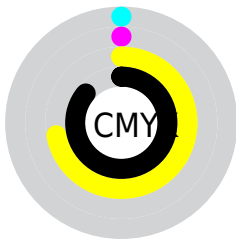
 Blue (4%)



 Red (4%)

 Yellow (14%)

 Blue (4%)

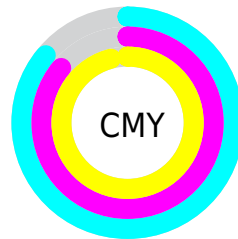


 Cyan (0%)

 Magenta (0%)

 Yellow (72%)

 Black (86%)



 Cyan (86%)

 Magenta (86%)


 Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 15.795, 106.335 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 13, 15.795, 106.335 by changing the saturation by 10% instead.

 13, 15.795,
106.335


 13, 15.795,
106.335


 100, 15.795,
106.335


 3, 15.795, 106.335


 33, 15.795,
106.335

 0, 15.795, 106.335

 43, 15.795,
106.335


 53, 15.795,
106.335


 63, 15.795,
106.335


 73, 15.795,
106.335


 83, 15.795,


106.335


 93, 15.795,
106.335


 13, 15.795,
106.335


 13, 15.795,
106.335


 13, 17.198,
106.259

 13, 14.283,
106.460

 13, 18.602,
106.208

 13, 12.475,
106.676

 13, 19.674,
106.184

 13, 10.357,
107.075

 13, 7.970, 107.768

 13, 5.526, 108.504

 13, 3.061, 109.238

■ 14, 0.585, 109.941

■ 14, 1.896, 290.705

■ 14, 4.377, 291.402

Harmonies

Complementary

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



13, 15.795, 106.335



4, 16.743, 292.014

Rectangle

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



13, 15.795, 106.335



13, 15.795, 156.335



13, 15.795, 286.335



13, 15.795, 336.335

Sweetspot

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



13, 15.796, 106.337



19, 6.881, 108.410



5, 12.528, 18.628



8, 3.903, 110.138



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



13, 15.796, 106.337



18, 24.078, 104.406



12, 17.307, 129.021



5, 1.024, 110.134



33, 42.340, 102.807



81, 83.390, 102.802

Inverse Universe

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



4, 16.743, 292.014



3, 27.034, 295.476



4, 17.528, 307.131



5, 1.027, 290.157



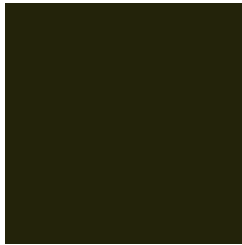
5, 57.153, 305.452



26, 115.181, 306.279

Previews

White Background



This preview shows how the CIE LCh color 13, 15.795, 106.335 looks on a white background.

Color Contrast Check

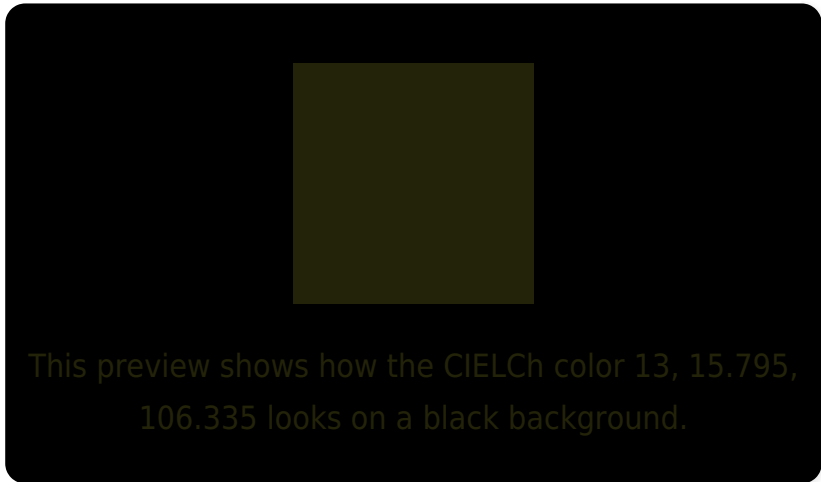
Large Text (above 18pt) WCAG AA ✓ Pass

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

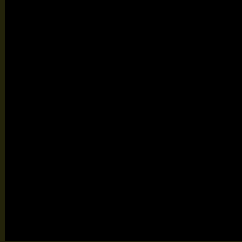
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 15.795, 106.335

Background



This preview shows how black text looks on a background with the CIELCh color 13, 15.795, 106.335.

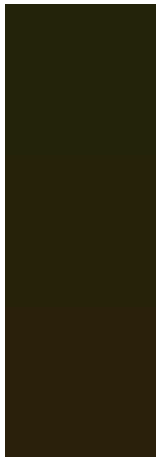


This preview shows how white text looks on a background with the CIELCh color 13, 15.795, 106.335.

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


13, 15.795, 106.335

Protanopia

13, 15.733, 98.001

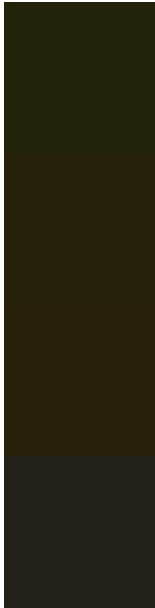
Deuteranopia

13, 14.715, 83.581



Tritanopia
13, 3.291, 339.389

Trichromacy



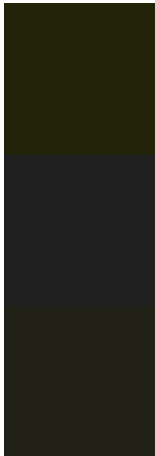
Original Color
13, 15.795, 106.335

Protanomaly
13, 15.648, 100.125

Deuteranomaly
13, 14.927, 93.207

Tritanomaly
13, 5.258, 91.037

Monochromacy



Original Color
13, 15.795, 106.335

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 6.437, 108.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 15.795, 106.335 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(35, 35, 10)` looks like.

```
.text, #text, p{  
    color:rgb(35, 35, 10)  
}
```

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(35, 35, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 35, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 15.795, 106.335 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(35, 35, 10) }
```

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

```
.border{ border-color:rgb(35, 35, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 35, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 35, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 35, 10);  
box-shadow:4px 4px 4px 4px rgb(35, 35, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 15.795, 106.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 35, 10) }
```

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

```
.background{ background-color: rgb(35, 35,  
10) }
```

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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