

Converting Colors

CIELCh(14, 15.570, 106.582)

Have a look what the booklet for
CIELCh(14, 15.570, 106.582)
contains.

CIELCh(14, 15.773, 106.061)	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(14, 15.773, 106.061)

Conversions

Conversions Part 1

Format	Color
Hex	25250D
RGB	37, 37, 13
RGB Percent	15%, 15%, 5%
CMY	0.8556, 0.8556, 0.9500
CMYK	0.00, 0.00, 0.65, 0.86
HSL	60°, 49%, 10%
HSV	60°, 65%, 14%
XYZ	1.4832, 1.7298, 0.6279
YIQ	34.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

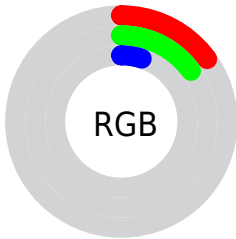
Format	Color
RYB	13, 37, 13
Decimal	2434317
CIELab	14.00, -4.36, 15.16
CIELCh	14, 15.773, 106.061
Yxy	1.7298, 0.3862, 0.4504
Android (android.graphics.Color)	4280624397 (0xFF25250D)
YUV	34.2640, -10.4832, 2.3995
Hunter-Lab	13.1521, -2.8861, 6.3760

Details

The CIELCh color **14, 15.773, 106.061** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 16.934, 292.941**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 16.046, 107.389**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 17.344, 105.905**, and if you desaturate by 10%, it is **14, 13.882, 106.329**.

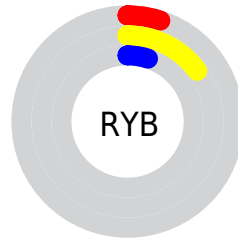
Distribution



Red (15%)

Green (15%)

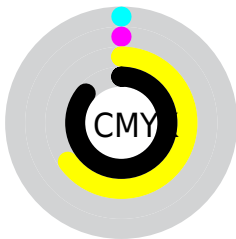
Blue (5%)



Red (5%)

Yellow (15%)

Blue (5%)

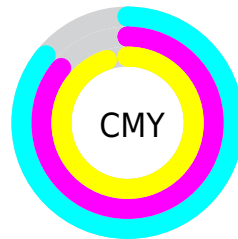


Cyan (0%)

Magenta (0%)

Yellow (65%)

Black (86%)



Cyan (86%)


Magenta (86%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 15.773, 106.061 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 14, 15.773, 106.061 by changing the saturation by 10% instead.

 14, 15.773,
106.061


 14, 15.773,
106.061


 100, 15.773,
106.061


 4, 15.773, 106.061


 34, 15.773,
106.061

 0, 15.773, 106.061

 44, 15.773,
106.061


 54, 15.773,
106.061


 64, 15.773,
106.061


 74, 15.773,
106.061


 84, 15.773,


106.061


 94, 15.773,
106.061


 14, 15.773,
106.061


 14, 15.773,
106.061

 14, 17.344,
105.905


 14, 13.882,
106.329

 14, 18.829,
105.794

 14, 11.644,
106.798

 14, 20.315,
105.712

 14, 9.138, 107.523

 14, 21.001,
105.682

 14, 6.582, 108.270

 14, 3.999, 109.017

 15, 1.400, 109.753

■ 15, 1.205, 290.519

■ 15, 3.811, 291.227

■ 15, 6.414, 291.926

Harmonies

Complementary

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



14, 15.773, 106.061



4, 16.934, 292.941

Rectangle

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



14, 15.773, 106.061



14, 15.773, 156.061



14, 15.773, 286.061



14, 15.773, 336.061

Sweetspot

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



14, 15.773, 106.064



20, 6.555, 108.567



6, 12.932, 18.925



9, 4.348, 109.406



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



14, 15.773, 106.064



19, 23.629, 104.479



13, 17.093, 127.690



5, 1.024, 110.153



33, 42.353, 102.832



81, 83.418, 102.830

Inverse Universe

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



4, 16.934, 292.941



5, 27.054, 297.027



6, 17.897, 309.037



5, 1.028, 290.174



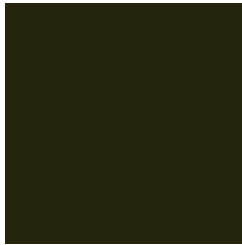
5, 57.174, 305.462



26, 115.201, 306.284

Previews

White Background



This preview shows how the CIELCh color 14, 15.773, 106.061 looks on a white background.

Color Contrast Check

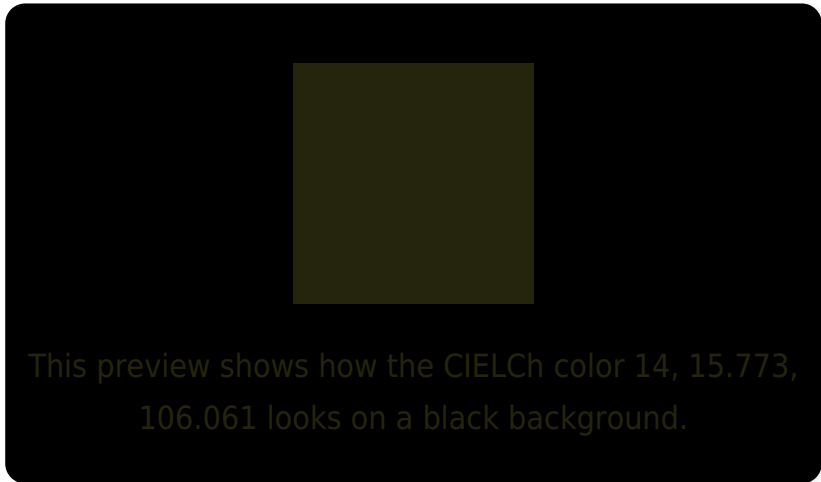
Large Text (above 18pt) WCAG AA ✓ Pass

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

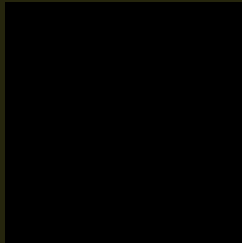
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

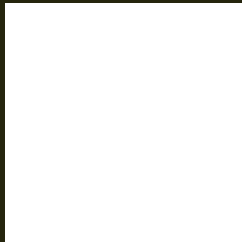
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 15.773, 106.061

Background



This preview shows how black text looks on a background with the CIELCh color 14, 15.773, 106.061.

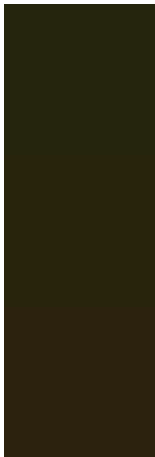


This preview shows how white text looks on a background with the CIELCh color 14, 15.773, 106.061.

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

14, 15.773, 106.061

Protanopia

14, 15.789, 97.826

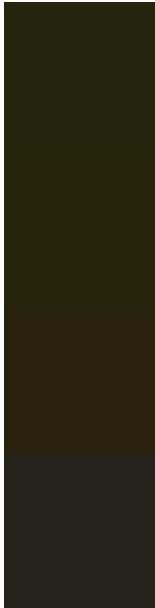
Deuteranopia

14, 14.653, 83.511



Tritanopia
14, 3.264, 339.356

Trichromacy



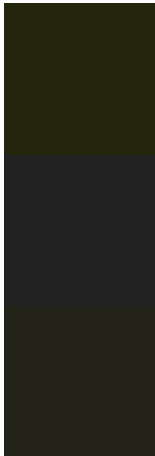
Original Color
14, 15.773, 106.061

Protanomaly
14, 15.704, 99.907

Deuteranomaly
14, 14.460, 92.740

Tritanomaly
14, 5.214, 91.142

Monochromacy



Original Color
14, 15.773, 106.061

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 6.385, 108.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 15.773, 106.061 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(37, 37, 13)` looks like.

```
.text, #text, p{  
    color:rgb(37, 37, 13)  
}
```

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(37, 37, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 37, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 15.773, 106.061 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(37, 37, 13) }
```

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

```
.border{ border-color:rgb(37, 37, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 37, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 37, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 37, 13);  
box-shadow:4px 4px 4px 4px rgb(37, 37, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 15.773, 106.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 37, 13) }
```

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

```
.background{ background-color: rgb(37, 37,  
13) }
```

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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