

Converting Colors

CIELCh(13, 20.363, 34.359)

Have a look what the booklet for
CIELCh(13, 20.363, 34.359) contains.

CIELCh(13, 20.363, 34.358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(13, 20.363, 34.358)

Conversions

Conversions Part 1

Format	Color
Hex	3A1712
RGB	58, 23, 18
RGB Percent	23%, 9%, 7%
CMY	0.7722, 0.9095, 0.9290
CMYK	0.00, 0.60, 0.69, 0.77
HSL	7°, 53%, 15%
HSV	7°, 69%, 23%
XYZ	2.1685, 1.5625, 0.7636
YIQ	32.8950, 22.4650, 5.8650

Conversions

Conversions Part 2

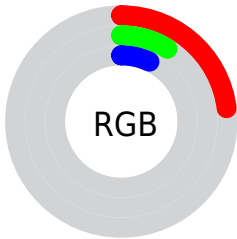
Format	Color
R_{YB}	58, 24, 18
Decimal	3806994
CIE _{Lab}	13.00, 16.81, 11.49
CIE _{LCh}	13, 20.363, 34.358
Yxy	1.5625, 0.4825, 0.3476
Android (android.graphics.Color)	4281997074 (0xFF3A1712)
YUV	32.8950, -7.3432, 22.0171
Hunter-Lab	12.5000, 9.0906, 5.1282

Details

The CIELCh color **13, 20.363, 34.358** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 12.738, 212.900**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 20.463, 34.670**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 23.285, 33.484**, and if you desaturate by 10%, it is **14, 16.994, 33.769**.

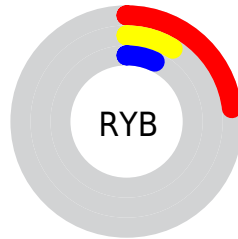
Distribution



Red (23%)

Green (9%)

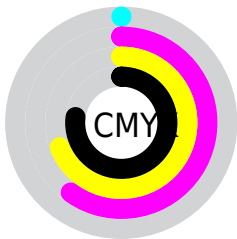
Blue (7%)



Red (23%)

Yellow (9%)

Blue (7%)

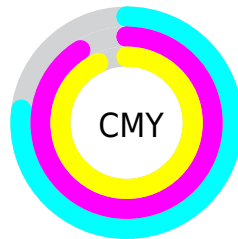


Cyan (0%)

Magenta (60%)

Yellow (69%)

Black (77%)



Cyan (77%)

Magenta (91%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 20.363, 34.358 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, 20.363, 34.358 by changing the saturation by 10% instead.

 13, 20.363, 34.358

 13, 20.363, 34.358

 100, 20.363,
34.358

 3, 20.363, 34.358

 33, 20.363, 34.358

 0, 20.363, 34.358

 43, 20.363, 34.358

 53, 20.363, 34.358

 63, 20.363, 34.358

 73, 20.363, 34.358

 83, 20.363, 34.358

 93, 20.363, 34.358

■ 13, 20.363, 34.358

■ 13, 20.363, 34.358

■ 12, 23.285, 33.484

■ 14, 16.994, 33.769

■ 11, 25.781, 32.119

■ 16, 13.649, 32.902

■ 10, 28.070, 31.549

■ 18, 10.485, 32.249

■ 9, 28.334, 31.484

■ 19, 7.514, 31.771

■ 21, 4.737, 31.429

■ 23, 2.147, 31.161

■ 25, 0.268, 212.017

■ 27, 2.522, 211.194

■ 28, 4.630, 211.159

Harmonies

Complementary

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



13, 20.363, 34.358



20, 12.738, 212.900

Rectangle

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



13, 20.363, 34.358



13, 20.363, 84.358



13, 20.363, 214.358



13, 20.363, 264.358

Sweetspot

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



13, 20.362, 34.361



28, 6.715, 31.526



13, 28.608, 331.276



12, 4.472, 31.548



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 20.362, 34.361



16, 31.973, 36.454



19, 18.919, 78.847



9, 1.301, 31.144



18, 44.211, 38.420



47, 91.225, 41.436

Inverse Universe

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



20, 12.738, 212.900



26, 17.252, 214.696



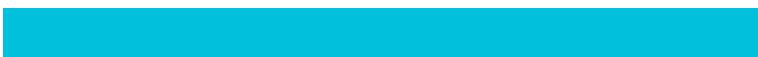
13, 18.125, 278.959



10, 1.244, 211.223



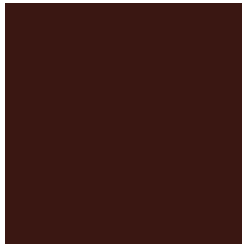
31, 20.927, 217.560



71, 39.192, 219.589

Previews

White Background



This preview shows how the CIELCh color 13, 20.363, 34.358 looks on a white background.

Color Contrast Check

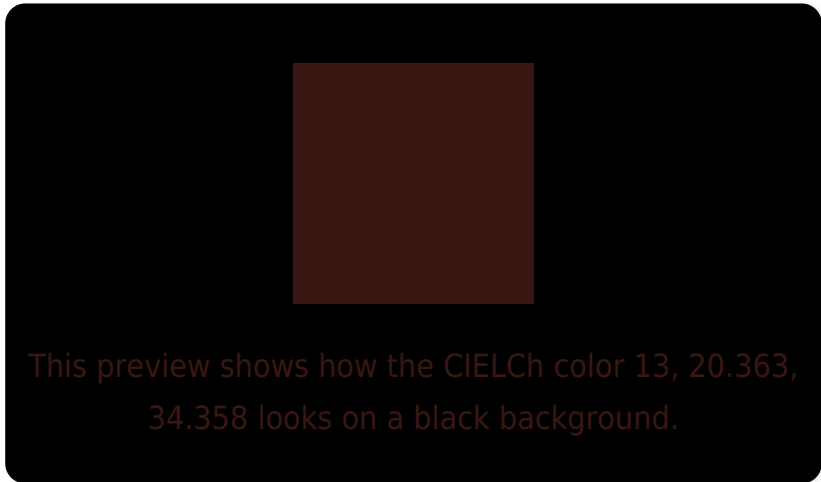
Large Text (above 18pt) WCAG AA ✓ Pass

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

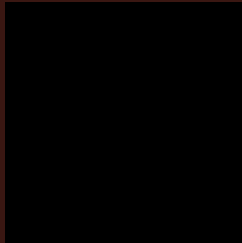
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 20.363, 34.358

Background



This preview shows how black text looks on a background with the CIELCh color 13, 20.363, 34.358.

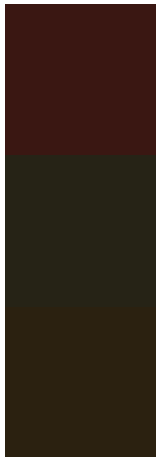


This preview shows how white text looks on a background with the CIELCh color 13, 20.363, 34.358.

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, 20.363, 34.358

Protanopia

14, 9.330, 97.345

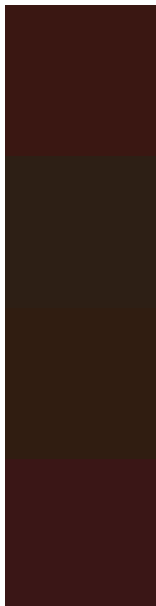
Deuteranopia

13, 13.069, 81.040



Tritanopia
13, 19.444, 21.868

Trichromacy



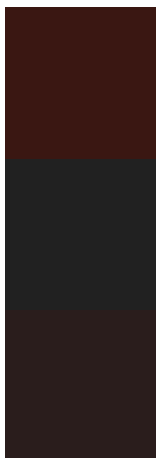
Original Color
13, 20.363, 34.358

Protanomaly
13, 10.790, 61.368

Deuteranomaly
13, 14.007, 56.817

Tritanomaly
13, 19.808, 25.845

Monochromacy



Original Color
13, 20.363, 34.358

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 6.952, 27.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 20.363, 34.358 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(58, 23, 18)` looks like.

```
.text, #text, p{  
    color:rgb(58, 23, 18)  
}
```

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(58, 23, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 23, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 20.363, 34.358 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(58, 23, 18) }
```

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

```
.border{ border-color:rgb(58, 23, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 23, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 23, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 23, 18);  
box-shadow:4px 4px 4px 4px rgb(58, 23, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 20.363, 34.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 23, 18) }
```

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

```
.background{ background-color: rgb(58, 23,  
18) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor