

Converting Colors

CIELCh(13, 22.346, 333.342)

Have a look what the booklet for
CIELCh(13, 22.346, 333.342)
contains.

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Color

CIELCh(13, 22.653, 333.379)

Conversions

Conversions Part 1

Format	Color
Hex	361630
RGB	54, 22, 48
RGB Percent	21%, 9%, 19%
CMY	0.7887, 0.9142, 0.8122
CMYK	0.00, 0.59, 0.11, 0.79
HSL	311°, 42%, 15%
HSV	311°, 59%, 21%
XYZ	2.3302, 1.5625, 2.9620
YIQ	34.5320, 10.7260, 14.8700

Conversions

Conversions Part 2

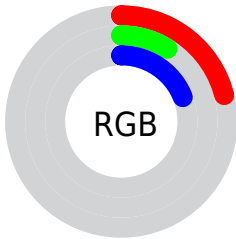
Format	Color
R_{YB}	54, 22, 48
Decimal	3544624
CIE _{Lab}	13.00, 20.25, -10.15
CIE _{LCh}	13, 22.653, 333.379
Yxy	1.5625, 0.3399, 0.2279
Android (android.graphics.Color)	4281734704 (0xFF361630)
YUV	34.5320, 6.6397, 17.0734
Hunter-Lab	12.5000, 11.4001, -5.2995

Details

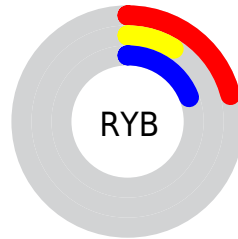
The CIELCh color **13, 22.653, 333.379** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20, 22.725, 145.613**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 22.888, 333.511**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 25.842, 333.984**, and if you desaturate by 10%, it is **14, 19.124, 332.790**.

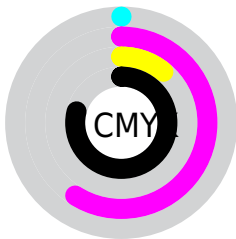
Distribution



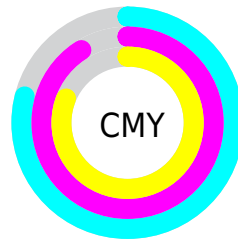
- Red (21%)
- Green (9%)
- Blue (19%)



- Red (21%)
- Yellow (9%)
- Blue (19%)



- Cyan (0%)
- Magenta (59%)
- Yellow (11%)
- Black (79%)





- Cyan (79%)
- Magenta (91%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 22.653, 333.379 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, 22.653, 333.379 by changing the saturation by 10% instead.

 13, 22.653,
333.379


 13, 22.653,
333.379


 100, 22.653,
333.379


 3, 22.653, 333.379


 33, 22.653,
333.379

 0, 22.653, 333.379

 43, 22.653,
333.379


 53, 22.653,
333.379


 63, 22.653,
333.379


 73, 22.653,
333.379


 83, 22.653,


333.379


 93, 22.653,
333.379


 13, 22.653,
333.379


 13, 22.653,
333.379

 12, 25.842,
333.984

 14, 19.124,
332.790

 11, 28.569,
334.611

 16, 15.374,
332.213

 10, 31.000,
335.233

 17, 11.498,
331.648

 9, 33.722, 335.784

 19, 7.571, 331.094

 9, 33.903, 335.816

 21, 3.646, 330.544

 23, 0.236, 150.577

■ 24, 4.052, 149.594

■ 26, 7.786, 149.100

■ 28, 11.428,
148.637

Harmonies

Complementary

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



13, 22.653, 333.379



20, 22.725, 145.613

Rectangle

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



13, 22.653, 333.379



13, 22.653, 23.379



13, 22.653, 153.379



13, 22.653, 203.379

Sweetspot

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



13, 22.652, 333.379



25, 8.634, 331.065



10, 23.732, 302.312



11, 6.063, 331.123



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



13, 22.652, 333.379



16, 31.974, 334.292



12, 17.363, 1.508



9, 2.227, 330.489



19, 47.807, 336.665



50, 89.004, 337.522

Inverse Universe

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



13, 22.652, 333.379



16, 31.974, 334.292



20, 15.091, 169.344



9, 2.227, 330.489



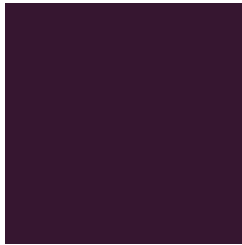
19, 47.807, 336.665



50, 89.004, 337.522

Previews

White Background



This preview shows how the CIE LCh color 13, 22.653, 333.379 looks on a white background.

Color Contrast Check

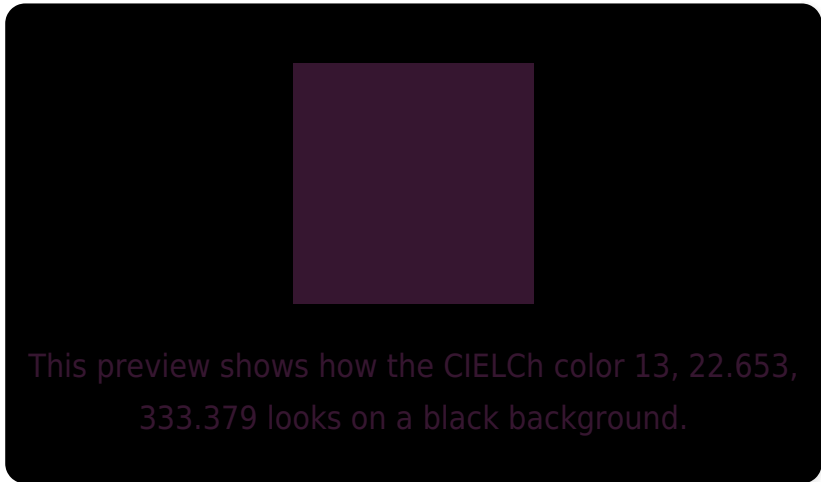
Large Text (above 18pt) WCAG AA ✓ Pass

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

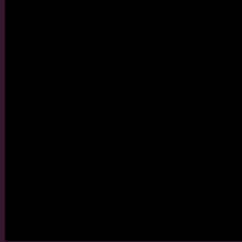
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 22.653, 333.379

Background



This preview shows how black text looks on a background with the CIELCh color 13, 22.653, 333.379.



This preview shows how white text looks on a background with the CIELCh color 13, 22.653, 333.379.

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, 22.653, 333.379

Protanopia

14, 17.291, 284.201

Deuteranopia

14, 8.612, 286.862



Tritanopia
13, 13.268, 17.395

Trichromacy



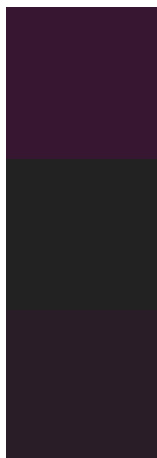
Original Color
13, 22.653, 333.379

Protanomaly
13, 17.430, 301.555

Deuteranomaly
13, 13.041, 313.411

Tritanomaly
13, 15.666, 355.089

Monochromacy



Original Color
13, 22.653, 333.379

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 8.365, 331.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 22.653, 333.379 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(54, 22, 48)` looks like.

```
.text, #text, p{  
    color:rgb(54, 22, 48)  
}
```

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(54, 22, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 22, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 22.653, 333.379 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(54, 22, 48) }
```

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

```
.border{ border-color:rgb(54, 22, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 22, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 22, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 22, 48);  
box-shadow:4px 4px 4px 4px rgb(54, 22, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 22.653, 333.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 22, 48) }
```

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

```
.background{ background-color: rgb(54, 22,  
48) }
```

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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