

Converting Colors

CIELCh(13, 16.457, 12.693)

Have a look what the booklet for
CIELCh(13, 16.457, 12.693) contains.

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Color

CIELCh(13, 16.457, 12.693)

Conversions

Conversions Part 1

Format	Color
Hex	37181D
RGB	55, 24, 29
RGB Percent	22%, 9%, 11%
CMY	0.7838, 0.9055, 0.8859
CMYK	0.00, 0.56, 0.47, 0.78
HSL	350°, 39%, 16%
HSV	350°, 56%, 22%
XYZ	2.1340, 1.5625, 1.3582
YIQ	33.8390, 16.8710, 8.1270

Conversions

Conversions Part 2

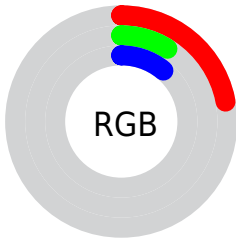
Format	Color
R_YB	55, 24, 29
Decimal	3610653
CIE Lab	13.00, 16.05, 3.62
CIE LCh	13, 16.457, 12.693
Yxy	1.5625, 0.4222, 0.3091
Android (android.graphics.Color)	4281800733 (0xFF37181D)
YUV	33.8390, -2.3856, 18.5582
Hunter-Lab	12.5000, 8.5984, 2.3076

Details

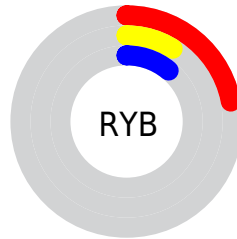
The CIELCh color **13, 16.457, 12.693** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 13.021, 181.834**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 16.634, 13.747**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 19.539, 14.717**, and if you desaturate by 10%, it is **15, 13.344, 11.038**.

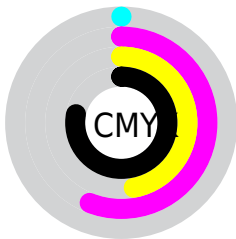
Distribution



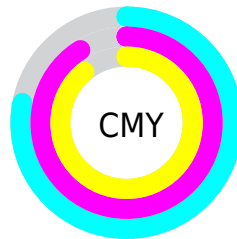
- Red (22%)
- Green (9%)
- Blue (11%)



- Red (22%)
- Yellow (9%)
- Blue (11%)



- Cyan (0%)
- Magenta (56%)
- Yellow (47%)
- Black (78%)



- Cyan (78%)
- Magenta (91%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 16.457, 12.693 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, 16.457, 12.693 by changing the saturation by 10% instead.

■ 13, 16.457, 12.693

■ 13, 16.457, 12.693

■ 100, 16.457,
12.693

■ 3, 16.457, 12.693

■ 33, 16.457, 12.693

■ 0, 16.457, 12.693

■ 43, 16.457, 12.693

■ 53, 16.457, 12.693

■ 63, 16.457, 12.693

■ 73, 16.457, 12.693

■ 83, 16.457, 12.693

■ 93, 16.457, 12.693

■ 13, 16.457, 12.693

■ 13, 16.457, 12.693

■ 12, 19.539, 14.717

■ 15, 13.344, 11.038

■ 10, 22.457, 16.735

■ 16, 10.270, 9.665

■ 9, 25.019, 17.801

■ 18, 7.280, 8.511

■ 8, 27.673, 17.270

■ 20, 4.403, 7.520

■ 8, 28.702, 16.772

■ 22, 1.655, 6.606

■ 24, 0.961, 186.227

■ 26, 3.446, 185.430

■ 28, 5.806, 184.837

■ 30, 8.050, 184.319

Harmonies

Complementary

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



13, 16.457, 12.693



21, 13.021, 181.834

Rectangle

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



13, 16.457, 12.693



13, 16.457, 62.693



13, 16.457, 192.693



13, 16.457, 242.693

Sweetspot

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



13, 16.456, 12.696



26, 5.738, 7.667



13, 24.203, 321.881



11, 3.763, 7.685



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, 16.456, 12.696



16, 24.936, 15.901



16, 13.825, 52.435



9, 1.493, 6.804



17, 43.297, 27.453



46, 85.629, 32.841

Inverse Universe

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



13, 16.456, 12.696



16, 24.936, 15.901



17, 10.367, 242.520



9, 1.493, 6.804



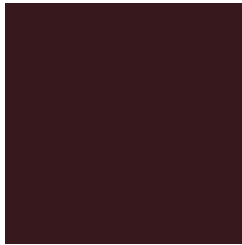
17, 43.297, 27.453



46, 85.629, 32.841

Previews

White Background



This preview shows how the CIELCh color 13, 16.457, 12.693 looks on a white background.

Color Contrast Check

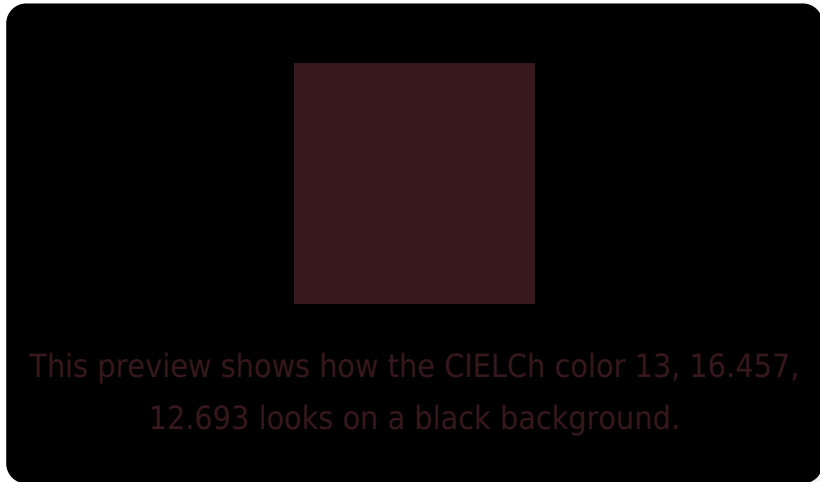
Large Text (above 18pt) WCAG AA ✓ Pass

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

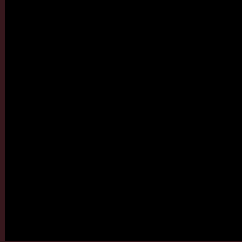
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 16.457, 12.693

Background



This preview shows how black text looks on a background with the CIELCh color 13, 16.457, 12.693.

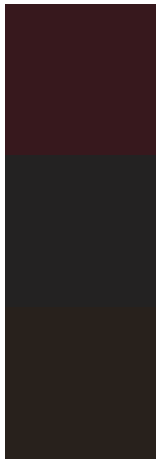


This preview shows how white text looks on a background with the CIELCh color 13, 16.457, 12.693.

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, 16.457, 12.693

Protanopia

13, 0.495, 19.194

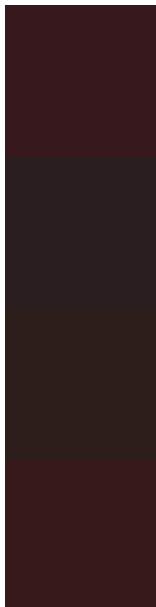
Deuteranopia

13, 5.168, 63.370



Tritanopia
13, 16.173, 21.989

Trichromacy



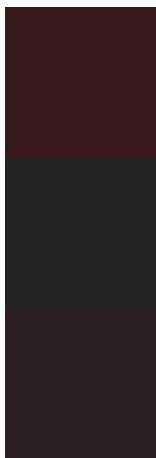
Original Color
13, 16.457, 12.693

Protanomaly
13, 6.310, 8.147

Deuteranomaly
13, 8.175, 31.443

Tritanomaly
13, 16.051, 19.521

Monochromacy



Original Color
13, 16.457, 12.693

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 6.310, 8.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 16.457, 12.693 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(55, 24, 29)` looks like.

```
.text, #text, p{  
    color:rgb(55, 24, 29)  
}
```

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(55, 24, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 24, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 16.457, 12.693 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(55, 24, 29) }
```

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

```
.border{ border-color:rgb(55, 24, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 24, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 24, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 24, 29);  
box-shadow:4px 4px 4px 4px rgb(55, 24, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 16.457, 12.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 24, 29) }
```

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

```
.background{ background-color: rgb(55, 24,  
29) }
```

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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