

Converting Colors

CIELCh(13, 6.727, 161.459)

Have a look what the booklet for
CIELCh(13, 6.727, 161.459) contains.

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Color

CIELCh(13, 6.912, 159.257)

Conversions

Conversions Part 1

Format	Color
Hex	19241E
RGB	25, 36, 30
RGB Percent	10%, 14%, 12%
CMY	0.9019, 0.8588, 0.8823
CMYK	0.31, 0.00, 0.17, 0.86
HSL	147°, 18%, 12%
HSV	147°, 31%, 14%
XYZ	1.2664, 1.5625, 1.4634
YIQ	32.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

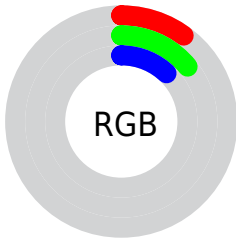
Format	Color
RYB	25, 33, 36
Decimal	1647646
CIELab	13.00, -6.46, 2.45
CIElCh	13, 6.912, 159.257
Yxy	1.5625, 0.2950, 0.3640
Android (android.graphics.Color)	4279837726 (0xFF19241E)
YUV	32.0270, -0.9993, -6.1627
Hunter-Lab	12.5000, -3.7904, 1.8086

Details

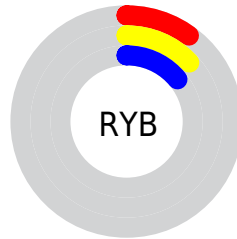
The CIELCh color **13, 6.912, 159.257** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 7.075, 343.265**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 7.159, 160.450**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 9.136, 158.453**, and if you desaturate by 10%, it is **13, 4.657, 159.992**.

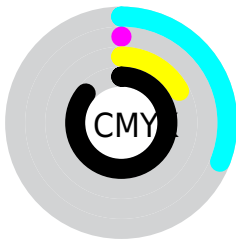
Distribution



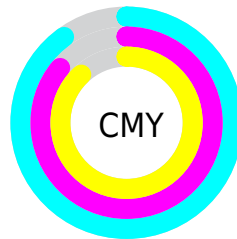
- Red (10%)
- Green (14%)
- Blue (12%)



- Red (10%)
- Yellow (13%)
- Blue (14%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (86%)



- Cyan (90%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 6.912, 159.257 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, 6.912, 159.257 by changing the saturation by 10% instead.

■ 13, 6.912, 159.257

■ 13, 6.912, 159.257

■ 100, 6.912,
159.257

■ 3, 6.912, 159.257

■ 33, 6.912, 159.257

■ 0, 6.912, 159.257

■ 43, 6.912, 159.257

■ 53, 6.912, 159.257

■ 63, 6.912, 159.257

■ 73, 6.912, 159.257

■ 83, 6.912, 159.257

■ 93, 6.912, 159.257

■ 13, 6.912, 159.257

■ 13, 6.912, 159.257

■ 13, 9.136, 158.453

■ 13, 4.657, 159.992

■ 12, 11.307,
157.573

■ 14, 2.388, 160.683

■ 12, 13.403,
156.602

■ 14, 0.122, 162.242

■ 12, 15.400,
155.530

■ 15, 2.128, 341.756

■ 15, 4.352, 342.312

■ 12, 17.331,
154.605

■ 16, 6.541, 342.813

■ 16, 8.690, 343.278

■ 11, 19.234,
154.160

■ 17, 10.795,
343.714

■ 11, 20.947,
153.986

■ 17, 12.853,
344.125

Harmonies

Complementary

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



13, 6.912, 159.257



10, 7.075, 343.265

Rectangle

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



13, 6.912, 159.257



13, 6.912, 209.257



13, 6.912, 339.257



13, 6.912, 29.257

Sweetspot

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



13, 6.912, 159.256



18, 2.504, 160.750



13, 8.214, 126.186



7, 1.577, 160.721



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, 6.912, 159.256



17, 10.257, 158.551



13, 5.095, 193.736



5, 0.912, 160.846



30, 38.960, 149.103



74, 80.580, 146.770

Inverse Universe

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



10, 7.075, 343.265



13, 10.561, 343.943



10, 5.868, 17.281



5, 0.901, 341.720



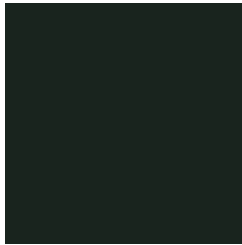
15, 37.925, 354.402



45, 73.652, 358.094

Previews

White Background



This preview shows how the CIELCh color 13, 6.912, 159.257 looks on a white background.

Color Contrast Check

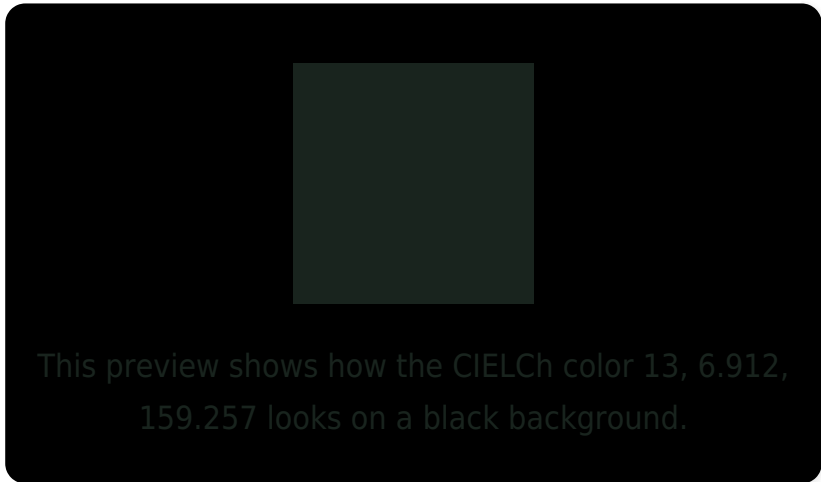
Large Text (above 18pt) WCAG AA ✓ Pass

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

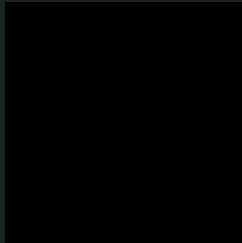
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

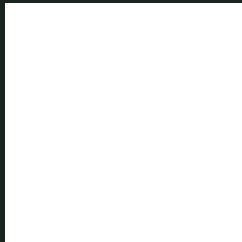
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 13, 6.912, 159.257

Background



This preview shows how black text looks on a background with the CIELCh color 13, 6.912, 159.257.



This preview shows how white text looks on a background with the CIELCh color 13, 6.912, 159.257.

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, 6.912, 159.257

Protanopia

13, 3.044, 89.474

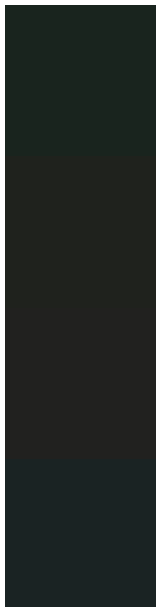
Deuteranopia

13, 3.163, 33.169



Tritanopia
13, 4.170, 229.942

Trichromacy



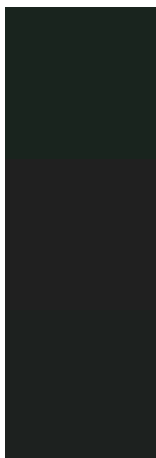
Original Color
13, 6.912, 159.257

Protanomaly
13, 3.904, 132.024

Deuteranomaly
13, 1.435, 109.732

Tritanomaly
13, 4.194, 198.418

Monochromacy



Original Color
13, 6.912, 159.257

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 2.464, 162.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 6.912, 159.257 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(25, 36, 30)` looks like.

```
.text, #text, p{  
    color:rgb(25, 36, 30)  
}
```

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(25, 36, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 36, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 6.912, 159.257 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(25, 36, 30) }
```

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

```
.border{ border-color:rgb(25, 36, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 36, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 36, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 36, 30);  
box-shadow:4px 4px 4px 4px rgb(25, 36, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 6.912, 159.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 36, 30) }
```

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

```
.background{ background-color: rgb(25, 36,  
30) }
```

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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