

Converting Colors

CIELCh(13, 8.436, 292.618)

Have a look what the booklet for
CIELCh(13, 8.436, 292.618) contains.

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Color

CIELCh(13, 7.905, 292.463)

Conversions

Conversions Part 1

Format	Color
Hex	21212C
RGB	33, 33, 44
RGB Percent	13%, 13%, 17%
CMY	0.8721, 0.8721, 0.8290
CMYK	0.25, 0.25, 0.00, 0.83
HSL	240°, 14%, 15%
HSV	240°, 25%, 17%
XYZ	1.5954, 1.5625, 2.5613
YIQ	34.2540, -3.5310, 3.4210

Conversions

Conversions Part 2

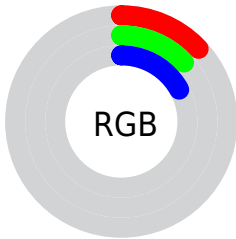
Format	Color
RYB	33, 33, 44
Decimal	2171180
CIELab	13.00, 3.02, -7.31
CIELCh	13, 7.905, 292.463
Yxy	1.5625, 0.2790, 0.2732
Android (android.graphics.Color)	4280361260 (0xFF21212C)
YUV	34.2540, 4.8048, -1.0998
Hunter-Lab	12.5000, 0.9071, -3.3985

Details

The CIELCh color **13, 7.905, 292.463** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 7.542, 108.196**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 8.196, 291.599**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 11.230, 293.609**, and if you desaturate by 10%, it is **15, 4.690, 291.458**.

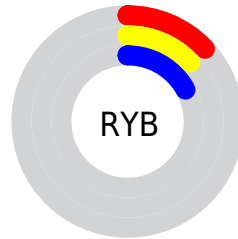
Distribution



Red (13%)

Green (13%)

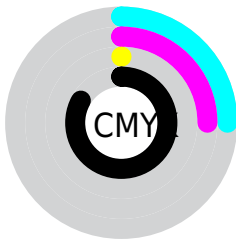
Blue (17%)



Red (13%)

Yellow (13%)

Blue (17%)

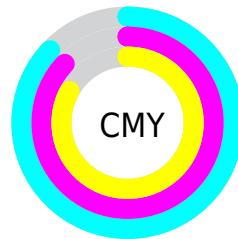


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (83%)



Cyan (87%)

Magenta (87%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 7.905, 292.463 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, 7.905, 292.463 by changing the saturation by 10% instead.

■ 13, 7.905, 292.463

■ 13, 7.905, 292.463

■ 100, 7.905,
292.463

■ 3, 7.905, 292.463

■ 33, 7.905, 292.463

■ 0, 7.905, 292.463

■ 43, 7.905, 292.463

■ 53, 7.905, 292.463

■ 63, 7.905, 292.463

■ 73, 7.905, 292.463

■ 83, 7.905, 292.463

■ 93, 7.905, 292.463

■ 13, 7.905, 292.463

■ 13, 7.905, 292.463

■ 11, 11.230,
293.609

■ 15, 4.690, 291.458

■ 9, 14.673, 294.912

■ 17, 1.581, 290.588

■ 7, 18.156, 296.164

■ 19, 1.430, 109.788

■ 6, 20.959, 295.815

■ 21, 4.349, 109.124

■ 4, 23.148, 295.160

■ 22, 7.181, 108.533

■ 3, 25.015, 294.692

■ 24, 9.932, 108.012

■ 2, 26.874, 294.290

■ 26, 12.605,
107.551

■ 2, 27.768, 294.117

■ 28, 15.205,
107.143

■ 30, 17.736,
106.779

Harmonies

Complementary

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



13, 7.905, 292.463



17, 7.542, 108.196

Rectangle

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



13, 7.905, 292.463



13, 7.905, 342.463



13, 7.905, 112.463



13, 7.905, 162.463

Sweetspot

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



13, 7.904, 292.462



22, 3.022, 290.856



17, 4.958, 196.891



9, 2.093, 290.886



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



13, 7.904, 292.462



16, 11.771, 293.192



14, 8.277, 309.453



7, 1.619, 290.169



6, 60.327, 305.904



26, 117.299, 306.283

Inverse Universe

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



14, 5.652, 20.829



18, 8.494, 21.366



17, 8.042, 127.550



7, 1.112, 19.268



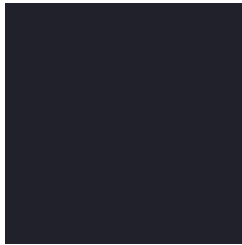
16, 43.789, 33.520



45, 91.663, 39.985

Previews

White Background



This preview shows how the CIELCh color 13, 7.905, 292.463 looks on a white background.

Color Contrast Check

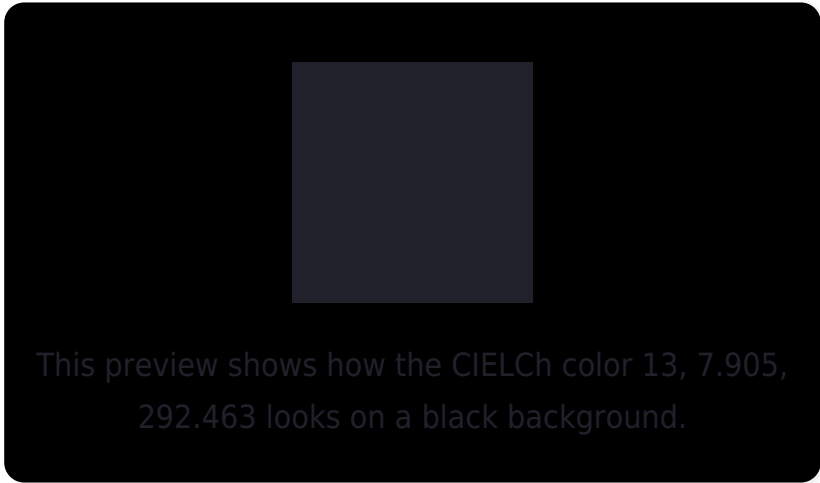
Large Text (above 18pt) WCAG AA ✓ Pass

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

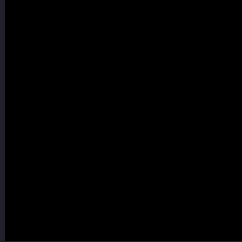
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

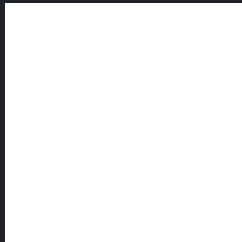
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 13, 7.905, 292.463

Background



This preview shows how black text looks on a background with the CIELCh color 13, 7.905, 292.463.



This preview shows how white text looks on a background with the CIELCh color 13, 7.905, 292.463.

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

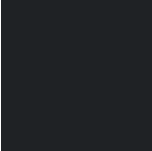
13, 7.905, 292.463

Protanopia

13, 7.936, 286.145

Deuteranopia

13, 7.936, 286.145



Tritanopia
13, 2.550, 257.138

Trichromacy



Original Color

13, 7.905, 292.463

Protanomaly

13, 7.909, 289.278

Deuteranomaly

13, 7.909, 289.278

Tritanomaly

13, 4.335, 285.310

Monochromacy



Original Color

13, 7.905, 292.463

Achromatopsia

13, 0.003, 296.813

Achromatomaly

13, 2.880, 291.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 7.905, 292.463 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(33, 33, 44)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 44)  
}
```

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(33, 33, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 7.905, 292.463 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(33, 33, 44) }
```

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

```
.border{ border-color:rgb(33, 33, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 33, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 33, 44);  
box-shadow:4px 4px 4px 4px rgb(33, 33, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 7.905, 292.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 44) }
```

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

```
.background{ background-color: rgb(33, 33,  
44) }
```

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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