

Converting Colors

CIELCh(13, 10.830, 163.203)

Have a look what the booklet for
CIELCh(13, 10.830, 163.203)
contains.

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Color

CIELCh(13, 10.605, 164.081)

Conversions

Conversions Part 1

Format	Color
Hex	12251D
RGB	18, 37, 29
RGB Percent	7%, 15%, 11%
CMY	0.9283, 0.8538, 0.8852
CMYK	0.51, 0.00, 0.21, 0.85
HSL	155°, 34%, 11%
HSV	155°, 51%, 15%
XYZ	1.1505, 1.5625, 1.4213
YIQ	30.4070, -8.7560, -6.5160

Conversions

Conversions Part 2

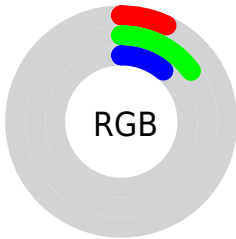
Format	Color
R_{YB}	18, 30, 37
Decimal	1189149
CIE Lab	13.00, -10.20, 2.91
CIE LCh	13, 10.605, 164.081
Yxy	1.5625, 0.2783, 0.3779
Android (android.graphics.Color)	4279379229 (0xFF12251D)
YUV	30.4070, -0.6937, -10.8809
Hunter-Lab	12.5000, -5.4464, 2.0084

Details

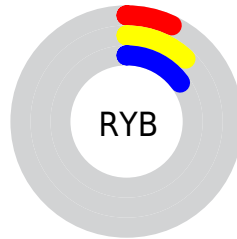
The CIELCh color **13, 10.605, 164.081** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 11.376, 352.417**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 10.985, 162.846**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 12.501, 163.067**, and if you desaturate by 10%, it is **13, 8.621, 165.009**.

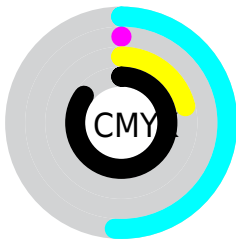
Distribution



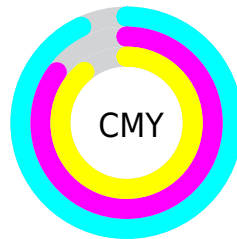
- Red (7%)
- Green (15%)
- Blue (11%)



- Red (7%)
- Yellow (12%)
- Blue (15%)



- Cyan (51%)
- Magenta (0%)
- Yellow (21%)
- Black (85%)



- Cyan (93%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 10.605, 164.081 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, 10.605, 164.081 by changing the saturation by 10% instead.

■ 13, 10.605,
164.081

■ 13, 10.605,
164.081

■ 100, 10.605,
164.081

■ 3, 10.605, 164.081

■ 33, 10.605,
164.081

■ 0, 10.605, 164.081

■ 43, 10.605,
164.081


■ 53, 10.605,
164.081


■ 63, 10.605,
164.081


■ 73, 10.605,
164.081


■ 83, 10.605,

164.081


 93, 10.605,
164.081

 13, 10.605,
164.081

 13, 10.605,
164.081


 13, 12.501,
163.067

 13, 8.621, 165.009


 13, 14.287,
161.958

 14, 6.569, 165.865

 14, 4.470, 166.661


 12, 16.007,
160.879

 14, 2.344, 167.420

 12, 17.794,
160.092

 15, 0.207, 168.713

 15, 1.928, 348.612

 12, 19.458,
159.572

 16, 4.049, 349.253

■ 16, 6.146, 349.835

■ 17, 8.214, 350.383

Harmonies

Complementary

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



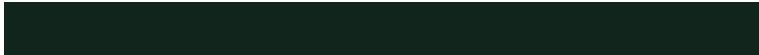
13, 10.605, 164.081



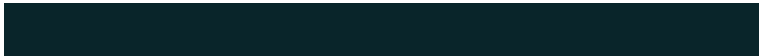
8, 11.376, 352.417

Rectangle

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



13, 10.605, 164.081



13, 10.605, 214.081



13, 10.605, 344.081



13, 10.605, 34.081

Sweetspot

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



13, 10.605, 164.080



19, 3.999, 167.041



13, 14.378, 129.774



8, 2.764, 167.025



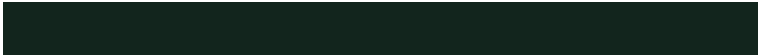
63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



13, 10.605, 164.080



18, 15.512, 162.622



13, 7.591, 204.635



5, 0.837, 167.607



30, 34.345, 155.606



74, 70.687, 153.247

Inverse Universe

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



8, 11.376, 352.417



11, 16.896, 354.162



8, 9.965, 26.004



5, 0.828, 348.620



15, 36.923, 4.981



45, 72.841, 10.045

Previews

White Background



This preview shows how the CIE LCh color 13, 10.605, 164.081 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

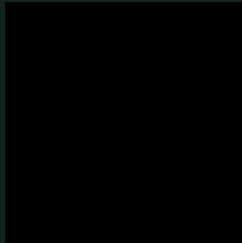
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 10.605, 164.081

Background



This preview shows how black text looks on a background with the CIELCh color 13, 10.605, 164.081.



This preview shows how white text looks on a background with the CIELCh color 13, 10.605, 164.081.

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, 10.605, 164.081

Protanopia

13, 5.099, 96.781

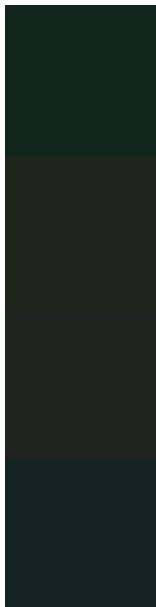
Deuteranopia

13, 3.425, 44.714



Tritanopia
13, 6.713, 216.887

Trichromacy



Original Color
13, 10.605, 164.081

Protanomaly
13, 5.627, 135.512

Deuteranomaly
13, 3.254, 136.921

Tritanomaly
13, 7.174, 191.896

Monochromacy



Original Color
13, 10.605, 164.081

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 4.092, 166.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 10.605, 164.081 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(18, 37, 29)` looks like.

```
.text, #text, p{  
    color:rgb(18, 37, 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(18, 37, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 37, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 10.605, 164.081 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(18, 37, 29) }
```

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

```
.border{ border-color:rgb(18, 37, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 37, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 37, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 37, 29);  
box-shadow:4px 4px 4px 4px rgb(18, 37, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 10.605, 164.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 37, 29) }
```

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

```
.background{ background-color: rgb(18, 37,  
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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