

Converting Colors

CIELCh(13, 22.557, 26.795)

Have a look what the booklet for
CIELCh(13, 22.557, 26.795) contains.

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Color

CIELCh(13, 22.603, 26.860)

Conversions

Conversions Part 1

Format	Color
Hex	3D1414
RGB	61, 20, 20
RGB Percent	24%, 8%, 8%
CMY	0.7596, 0.9205, 0.9205
CMYK	0.00, 0.67, 0.67, 0.76
HSL	0°, 50%, 16%
HSV	0°, 67%, 24%
XYZ	2.3260, 1.5625, 0.8530
YIQ	32.2590, 24.4360, 8.6920

Conversions

Conversions Part 2

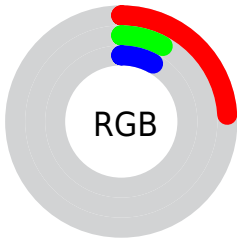
Format	Color
R_{YB}	61, 20, 20
Decimal	4002836
CIE Lab	13.00, 20.16, 10.21
CIE LCh	13, 22.603, 26.860
Yxy	1.5625, 0.4906, 0.3295
Android (android.graphics.Color)	4282192916 (0xFF3D1414)
YUV	32.2590, -6.0437, 25.2059
Hunter-Lab	12.5000, 11.3402, 4.7038

Details

The CIELCh color **13, 22.603, 26.860** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 14.676, 196.946**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 23.030, 26.420**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 25.926, 27.460**, and if you desaturate by 10%, it is **15, 18.835, 25.021**.

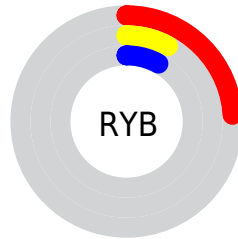
Distribution



Red (24%)

Green (8%)

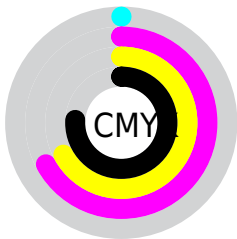
Blue (8%)



Red (24%)

Yellow (8%)

Blue (8%)

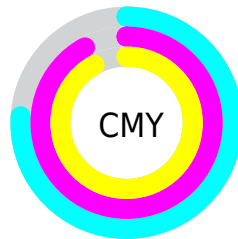


Cyan (0%)

Magenta (67%)

Yellow (67%)

Black (76%)



Cyan (76%)

Magenta (92%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 22.603, 26.860 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, 22.603, 26.860 by changing the saturation by 10% instead.

 13, 22.603, 26.860

 13, 22.603, 26.860

 100, 22.603,
26.860

 3, 22.603, 26.860

 33, 22.603, 26.860

 0, 22.603, 26.860

 43, 22.603, 26.860

 53, 22.603, 26.860

 63, 22.603, 26.860

 73, 22.603, 26.860

 83, 22.603, 26.860

 93, 22.603, 26.860

■ 13, 22.603, 26.860

■ 13, 22.603, 26.860

■ 12, 25.926, 27.460

■ 15, 18.835, 25.021

■ 11, 28.633, 27.213

■ 16, 15.117, 23.434

■ 9, 31.353, 26.495

■ 18, 11.542, 22.174

■ 9, 32.236, 26.184

■ 20, 8.148, 21.173

■ 22, 4.953, 20.365

■ 24, 1.962, 19.661

■ 27, 0.833, 199.563

■ 29, 3.445, 198.933

■ 31, 5.888, 198.567

Harmonies

Complementary

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



13, 22.603, 26.860



23, 14.676, 196.946

Rectangle

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



13, 22.603, 26.860



13, 22.603, 76.860



13, 22.603, 206.860



13, 22.603, 256.860

Sweetspot

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



13, 22.602, 26.863



28, 7.325, 20.664



15, 31.561, 327.372



13, 5.062, 20.749



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



13, 22.602, 26.863



16, 33.947, 30.691



18, 18.462, 68.103



10, 1.574, 19.768



17, 47.178, 34.876



46, 94.132, 40.001

Inverse Universe

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



23, 14.676, 196.946



30, 19.640, 196.640



16, 15.592, 267.361



11, 1.503, 199.118



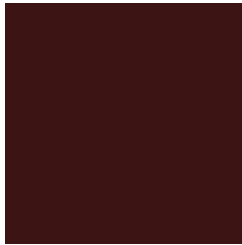
36, 24.211, 196.401



80, 45.104, 196.402

Previews

White Background



This preview shows how the CIELCh color 13, 22.603, 26.860 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

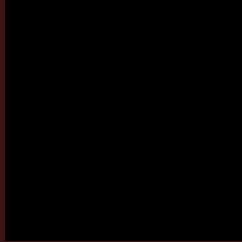
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 22.603, 26.860

Background



This preview shows how black text looks on a background with the CIELCh color 13, 22.603, 26.860.



This preview shows how white text looks on a background with the CIELCh color 13, 22.603, 26.860.

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, 22.603, 26.860

Protanopia

14, 6.470, 98.853

Deuteranopia

14, 12.014, 79.037



Tritanopia
13, 22.403, 25.280

Trichromacy



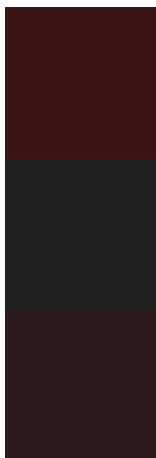
Original Color
13, 22.603, 26.860

Protanomaly
13, 9.944, 46.577

Deuteranomaly
13, 14.346, 47.796

Tritanomaly
13, 22.403, 25.280

Monochromacy



Original Color
13, 22.603, 26.860

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 7.965, 21.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 22.603, 26.860 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(61, 20, 20)` looks like.

```
.text, #text, p{  
    color:rgb(61, 20, 20)  
}
```

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(61, 20, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 20, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 22.603, 26.860 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(61, 20, 20) }
```

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

```
.border{ border-color:rgb(61, 20, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 20, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 20, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 20, 20);  
box-shadow:4px 4px 4px 4px rgb(61, 20, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 22.603, 26.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 20, 20) }
```

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

```
.background{ background-color: rgb(61, 20,  
20) }
```

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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