

Converting Colors

CIELCh(13, 22.600, 57.277)

Have a look what the booklet for
CIELCh(13, 22.600, 57.277) contains.

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Color

CIELCh(13, 22.618, 57.548)

Conversions

Conversions Part 1

Format	Color
Hex	371A01
RGB	55, 26, 1
RGB Percent	22%, 10%, 0%
CMY	0.7838, 0.8976, 0.9953
CMYK	0.00, 0.53, 0.98, 0.78
HSL	28°, 96%, 11%
HSV	28°, 98%, 22%
XYZ	1.9611, 1.5625, 0.2327
YIQ	31.8210, 25.3090, -1.6270

Conversions

Conversions Part 2

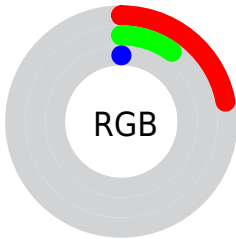
Format	Color
RYB	55, 48, 1
Decimal	3611137
CIELab	13.00, 12.14, 19.09
CIELCh	13, 22.618, 57.548
Yxy	1.5625, 0.5221, 0.4160
Android (android.graphics.Color)	4281801217 (0xFF371A01)
YUV	31.8210, -15.1948, 20.3280
Hunter-Lab	12.5000, 6.1288, 7.6465

Details

The CIELCh color **13, 22.618, 57.548** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **11, 19.302, 271.368**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 22.438, 58.269**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 22.998, 57.130**, and if you desaturate by 10%, it is **14, 20.883, 59.756**.

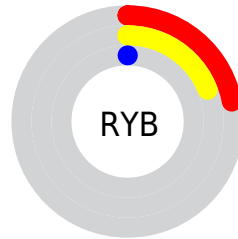
Distribution



Red (22%)

Green (10%)

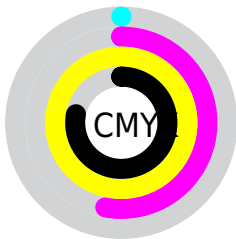
Blue (0%)



Red (22%)

Yellow (19%)

Blue (0%)

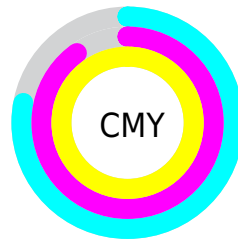


Cyan (0%)

Magenta (53%)

Yellow (98%)

Black (78%)



Cyan (78%)

Magenta (90%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 22.618, 57.548 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, 22.618, 57.548 by changing the saturation by 10% instead.

 13, 22.618, 57.548

 13, 22.618, 57.548

 100, 22.618,
57.548

 3, 22.618, 57.548

 33, 22.618, 57.548

 0, 22.618, 57.548

 43, 22.618, 57.548

 53, 22.618, 57.548

 63, 22.618, 57.548

 73, 22.618, 57.548

 83, 22.618, 57.548

 93, 22.618, 57.548

■ 13, 22.618, 57.548

■ 13, 22.618, 57.548

■ 13, 22.998, 57.130

■ 14, 20.883, 59.756

■ 15, 19.137, 62.343

■ 16, 16.934, 64.344

■ 17, 14.202, 65.459

■ 18, 11.484, 66.445

■ 19, 8.876, 67.434

■ 20, 6.380, 68.425

■ 21, 3.995, 69.409

■ 22, 1.714, 70.349

Harmonies

Complementary

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



13, 22.618, 57.548



11, 19.302, 271.368

Rectangle

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



13, 22.618, 57.548



13, 22.618, 107.548



13, 22.618, 237.548



13, 22.618, 287.548

Sweetspot

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



13, 22.618, 57.552



26, 8.305, 68.170



8, 29.077, 351.456



11, 5.599, 68.059



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, 22.618, 57.552



18, 30.556, 58.631



21, 29.661, 100.685



10, 1.233, 70.301



24, 39.058, 59.270



57, 77.583, 57.122

Inverse Universe

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



11, 19.302, 271.368



15, 24.291, 274.448



3, 35.236, 297.625



10, 1.209, 252.169



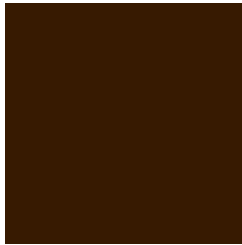
20, 29.772, 276.458



50, 60.327, 280.672

Previews

White Background



This preview shows how the CIE LCh color 13, 22.618, 57.548 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



This preview shows how the CIELCh color 13, 22.618, 57.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

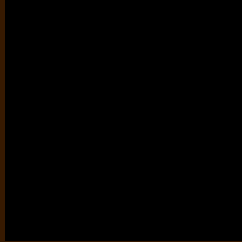
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 22.618, 57.548

Background



This preview shows how black text looks on a background with the CIELCh color 13, 22.618, 57.548.

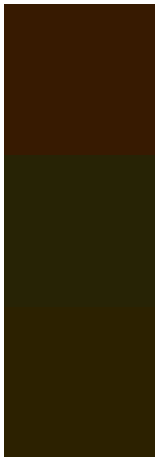


This preview shows how white text looks on a background with the CIELCh color 13, 22.618, 57.548.

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, 22.618, 57.548

Protanopia

13, 17.988, 98.662

Deuteranopia

13, 19.794, 86.876



Tritanopia
13, 17.182, 20.326

Trichromacy



Original Color
13, 22.618, 57.548

Protanomaly
13, 18.172, 81.430

Deuteranomaly
13, 20.086, 74.178

Tritanomaly
13, 18.927, 40.105

Monochromacy



Original Color
13, 22.618, 57.548

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 8.637, 67.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 22.618, 57.548 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, 26, 1)` looks like.

```
.text, #text, p{  
    color:rgb(55, 26, 1)  
}
```

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, 26, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 26, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 22.618, 57.548 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, 26, 1) }
```

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

```
.border{ border-color:rgb(55, 26, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 26, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 26, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(55, 26, 1); box-shadow:4px  
4px 4px 4px rgb(55, 26, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 22.618, 57.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 26, 1) }
```

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

```
.background{ background-color: rgb(55, 26,  
1) }
```

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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