

Converting Colors

CIELCh(13, 23.274, 49.681)

Have a look what the booklet for
CIELCh(13, 23.274, 49.681) contains.

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Color

CIELCh(13, 23.314, 49.164)

Conversions

Conversions Part 1

Format	Color
Hex	3A1805
RGB	58, 24, 5
RGB Percent	23%, 9%, 2%
CMY	0.7726, 0.9059, 0.9805
CMYK	0.00, 0.59, 0.91, 0.77
HSL	22°, 84%, 12%
HSV	22°, 91%, 23%
XYZ	2.0974, 1.5625, 0.3338
YIQ	32.0000, 26.3630, 1.2990

Conversions

Conversions Part 2

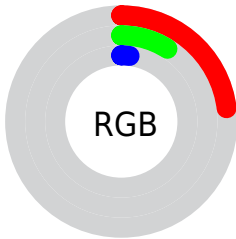
Format	Color
R_{YB}	58, 35, 5
Decimal	3807237
CIE _{Lab}	13.00, 15.24, 17.64
CIE _{LCh}	13, 23.314, 49.164
Yxy	1.5625, 0.5252, 0.3912
Android (android.graphics.Color)	4281997317 (0xFF3A1805)
YUV	32.0000, -13.3110, 22.8020
Hunter-Lab	12.5000, 8.0765, 7.1666

Details

The CIELCh color **13, 23.314, 49.164** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **14, 16.116, 255.954**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 23.094, 48.894**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 25.081, 47.551**, and if you desaturate by 10%, it is **14, 21.257, 51.638**.

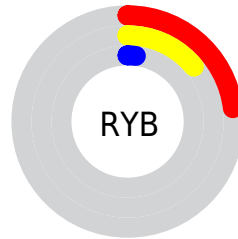
Distribution



Red (23%)

Green (9%)

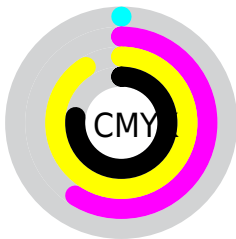
Blue (2%)



Red (23%)

Yellow (14%)

Blue (2%)

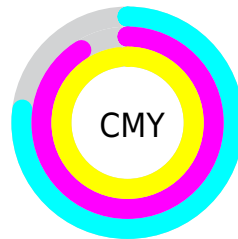


Cyan (0%)

Magenta (59%)

Yellow (91%)

Black (77%)



Cyan (77%)

Magenta (91%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 23.314, 49.164 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, 23.314, 49.164 by changing the saturation by 10% instead.

 13, 23.314, 49.164

 13, 23.314, 49.164

 100, 23.314,
49.164

 3, 23.314, 49.164

 33, 23.314, 49.164

 0, 23.314, 49.164

 43, 23.314, 49.164

 53, 23.314, 49.164

 63, 23.314, 49.164

 73, 23.314, 49.164

 83, 23.314, 49.164

 93, 23.314, 49.164

■ 13, 23.314, 49.164

■ 13, 23.314, 49.164

■ 12, 25.081, 47.551

■ 14, 21.257, 51.638

■ 15, 18.880, 53.780

■ 16, 15.938, 54.690

■ 18, 12.950, 55.246

■ 19, 10.117, 55.854

■ 20, 7.443, 56.509

■ 21, 4.924, 57.200

■ 23, 2.549, 57.898

■ 24, 0.307, 58.089

Harmonies

Complementary

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



13, 23.314, 49.164



14, 16.116, 255.954

Rectangle

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



13, 23.314, 49.164



13, 23.314, 99.164



13, 23.314, 229.164



13, 23.314, 279.164

Sweetspot

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



13, 23.313, 49.168



28, 7.985, 56.719



10, 29.927, 344.266



12, 5.293, 56.669



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 23.313, 49.168



17, 33.730, 50.036



21, 27.291, 94.547



10, 1.191, 58.103



21, 40.337, 51.014



53, 82.029, 50.139

Inverse Universe

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



14, 16.116, 255.954



19, 21.402, 260.827



6, 33.238, 297.143



10, 1.154, 239.628



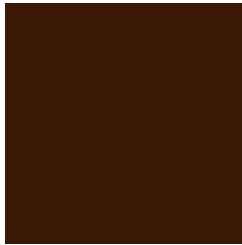
23, 24.626, 262.313



56, 48.839, 266.865

Previews

White Background



This preview shows how the CIELCh color 13, 23.314, 49.164 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, 23.314, 49.164

Background



This preview shows how black text looks on a background with the CIELCh color 13, 23.314, 49.164.

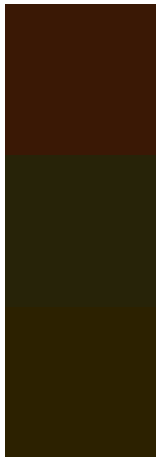


This preview shows how white text looks on a background with the CIELCh color 13, 23.314, 49.164.

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, 23.314, 49.164

Protanopia

14, 16.787, 98.270

Deuteranopia

13, 19.794, 86.876



Tritanopia
13, 19.966, 22.153

Trichromacy



Original Color
13, 23.314, 49.164

Protanomaly
13, 17.112, 75.676

Deuteranomaly
13, 19.774, 71.717

Tritanomaly
13, 21.162, 35.681

Monochromacy



Original Color
13, 23.314, 49.164

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 8.477, 56.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 23.314, 49.164 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(58, 24, 5)` looks like.

```
.text, #text, p{  
    color:rgb(58, 24, 5)  
}
```

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(58, 24, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 24, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 23.314, 49.164 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(58, 24, 5) }
```

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

```
.border{ border-color:rgb(58, 24, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 24, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 24, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(58, 24, 5); box-shadow:4px  
4px 4px 4px rgb(58, 24, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 23.314, 49.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 24, 5) }
```

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

```
.background{ background-color: rgb(58, 24,  
5) }
```

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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