

Converting Colors

CIELCh(13, 36.776, 25.968)

Have a look what the booklet for
CIELCh(13, 36.776, 25.968) contains.

CIELCh(13, 36.744, 25.894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(13, 36.744, 25.894)

Conversions

Conversions Part 1

Format	Color
Hex	4B010B
RGB	75, 1, 11
RGB Percent	29%, 0%, 4%
CMY	0.7045, 0.9948, 0.9588
CMYK	0.00, 0.98, 0.86, 0.70
HSL	353°, 97%, 15%
HSV	353°, 98%, 30%
XYZ	3.0023, 1.5625, 0.4452
YIQ	24.2660, 40.8940, 18.7980

Conversions

Conversions Part 2

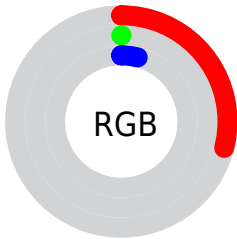
Format	Color
R _Y B	75, 1, 11
Decimal	4915467
CIE Lab	13.00, 33.06, 16.05
CIE LCh	13, 36.744, 25.894
Yxy	1.5625, 0.5993, 0.3119
Android (android.graphics.Color)	4283105547 (0xFF4B010B)
YUV	24.2660, -6.5401, 44.4937
Hunter-Lab	12.5000, 20.9978, 6.6385

Details

The CIELCh color **13, 36.744, 25.894** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 22.907, 180.874**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **33, 36.562, 25.730**, and **0, 1.664, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 37.267, 25.872**, and if you desaturate by 10%, it is **14, 33.703, 24.869**.

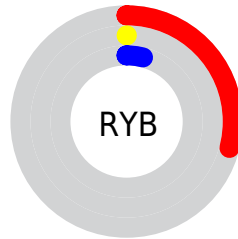
Distribution



Red (29%)

Green (0%)

Blue (4%)



Red (29%)

Yellow (0%)

Blue (4%)

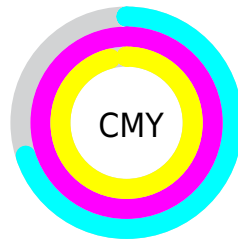


Cyan (0%)

Magenta (98%)

Yellow (86%)

Black (70%)



Cyan (70%)

Magenta (99%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 36.744, 25.894 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, 36.744, 25.894 by changing the saturation by 10% instead.

 13, 36.744, 25.894

 13, 36.744, 25.894

 100, 36.744,
25.894

 3, 36.744, 25.894

 33, 36.744, 25.894

 0, 36.744, 25.894

 43, 36.744, 25.894

 53, 36.744, 25.894

 63, 36.744, 25.894

 73, 36.744, 25.894

 83, 36.744, 25.894

 93, 36.744, 25.894

■ 13, 36.744, 25.894

■ 13, 36.744, 25.894

■ 13, 37.267, 25.872

■ 14, 33.703, 24.869

■ 15, 30.262, 21.907

■ 17, 26.383, 18.945

■ 19, 22.328, 16.546

■ 21, 18.214, 14.614

■ 23, 14.145, 13.049

■ 25, 10.195, 11.767

■ 28, 6.410, 10.696

■ 30, 2.814, 9.757

Harmonies

Complementary

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



13, 36.744, 25.894



28, 22.907, 180.874

Rectangle

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



13, 36.744, 25.894



13, 36.744, 75.894



13, 36.744, 205.894



13, 36.744, 255.894

Sweetspot

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



13, 36.742, 25.896



32, 12.956, 11.982



14, 47.705, 323.554



14, 8.817, 12.246



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 36.742, 25.896



18, 45.973, 30.140



17, 32.624, 50.825



14, 1.934, 9.798



19, 47.963, 30.802



48, 90.924, 35.228

Inverse Universe

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



13, 36.742, 25.896



18, 45.973, 30.140



19, 21.121, 261.396



14, 1.934, 9.798



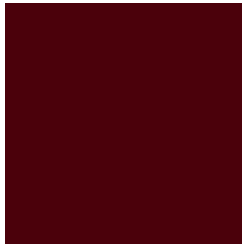
19, 47.963, 30.802



48, 90.924, 35.228

Previews

White Background



This preview shows how the CIELCh color 13, 36.744, 25.894 looks on a white background.

Color Contrast Check

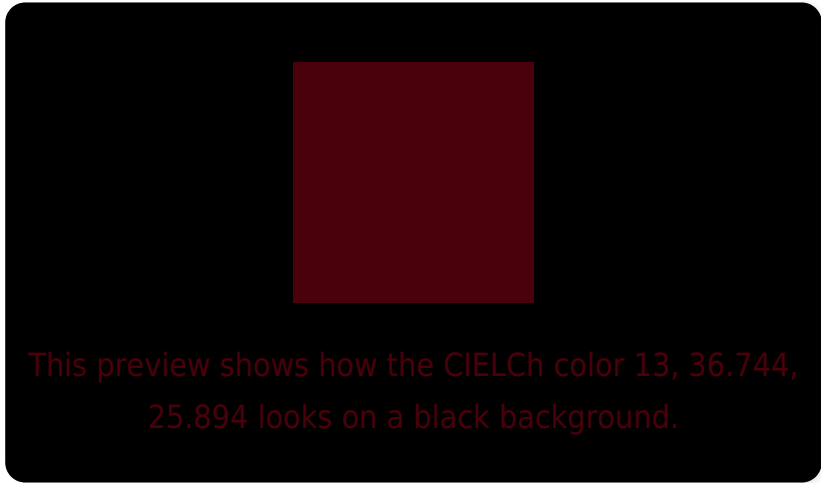
Large Text (above 18pt) WCAG AA ✓ Pass

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

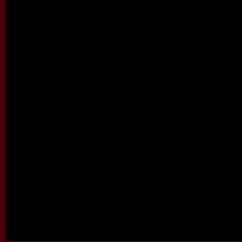
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 36.744, 25.894

Background



This preview shows how black text looks on a background with the CIELCh color 13, 36.744, 25.894.

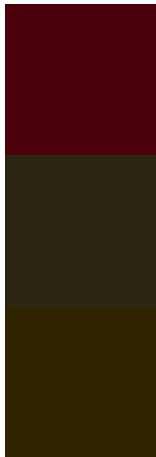


This preview shows how white text looks on a background with the CIELCh color 13, 36.744, 25.894.

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, 36.607, 25.305

Protanopia

15, 13.928, 97.126

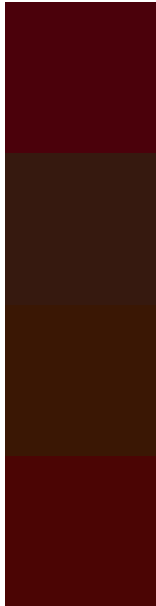
Deuteranopia

15, 21.904, 86.587



Tritanopia
14, 36.938, 34.653

Trichromacy



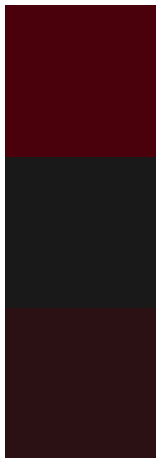
Original Color
13, 36.607, 25.305

Protanomaly
13, 18.408, 43.713

Deuteranomaly
13, 23.729, 48.197

Tritanomaly
13, 36.655, 31.398

Monochromacy



Original Color
13, 36.607, 25.305

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 14.903, 13.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 36.744, 25.894 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(75, 1, 11)` looks like.

```
.text, #text, p{  
    color:rgb(75, 1, 11)  
}
```

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(75, 1, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 1, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 36.744, 25.894 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(75, 1, 11) }
```

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

```
.border{ border-color:rgb(75, 1, 11) }
```

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

Here you see how a box with a 4 pixel rgb(75, 1, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 1, 11); -webkit-box-shadow:4px  
4px 4px 4px rgb(75, 1, 11); box-shadow:4px  
4px 4px 4px rgb(75, 1, 11) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 36.744, 25.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 1, 11) }
```

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

```
.background{ background-color: rgb(75, 1,  
11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor