

Converting Colors

CIELCh(9, 41.388, 15.037)

Have a look what the booklet for
CIELCh(9, 41.388, 15.037) contains.

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Color

CIELCh(12, 35.434, 24.496)

Conversions

Conversions Part 1

Format	Color
Hex	48010A
RGB	72, 1, 10
RGB Percent	28%, 0%, 4%
CMY	0.7185, 0.9974, 0.9602
CMYK	0.00, 0.99, 0.86, 0.72
HSL	352°, 98%, 14%
HSV	352°, 99%, 28%
XYZ	2.7198, 1.4064, 0.4193
YIQ	23.2550, 39.4270, 17.8510

Conversions

Conversions Part 2

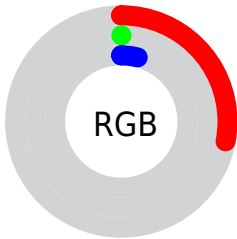
Format	Color
R_{YB}	72, 1, 10
Decimal	4718858
CIE _{Lab}	12.00, 32.24, 14.69
CIE _{LCh}	12, 35.434, 24.496
Yxy	1.4064, 0.5984, 0.3094
Android (android.graphics.Color)	4282908938 (0xFF48010A)
YUV	23.2550, -6.5347, 42.7494
Hunter-Lab	11.8591, 20.1851, 6.2049

Details

The CIELCh color **12, 35.434, 24.496** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 22.461, 179.869**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **32, 35.540, 24.674**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 35.704, 24.462**, and if you desaturate by 10%, it is **13, 32.480, 23.881**.

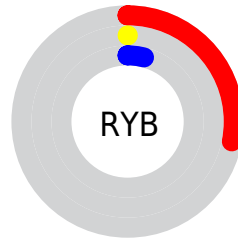
Distribution



Red (28%)

Green (0%)

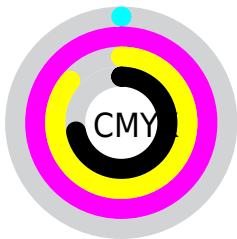
Blue (4%)



Red (28%)

Yellow (0%)

Blue (4%)

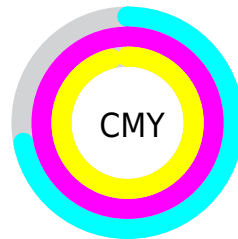


Cyan (0%)

Magenta (99%)

Yellow (86%)

Black (72%)



Cyan (72%)

Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 35.434, 24.496 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 12, 35.434, 24.496 by changing the saturation by 10% instead.

 12, 35.434, 24.496

 12, 35.434, 24.496

 100, 35.434,
24.496

 2, 35.434, 24.496

 32, 35.434, 24.496

 0, 35.434, 24.496

 42, 35.434, 24.496

 52, 35.434, 24.496

 62, 35.434, 24.496

 72, 35.434, 24.496

 82, 35.434, 24.496

 92, 35.434, 24.496

■ 12, 35.434, 24.496

■ 12, 35.434, 24.496

■ 12, 35.704, 24.462

■ 13, 32.480, 23.881

■ 14, 29.275, 21.281

■ 16, 25.595, 18.323

■ 17, 21.735, 15.924

■ 19, 17.805, 13.986

■ 21, 13.905, 12.413

■ 24, 10.109, 11.119

■ 26, 6.463, 10.037

■ 28, 2.992, 9.092

Harmonies

Complementary

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



12, 35.434, 24.496



27, 22.461, 179.869

Rectangle

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



12, 35.434, 24.496



12, 35.434, 74.496



12, 35.434, 204.496



12, 35.434, 254.496

Sweetspot

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



12, 35.433, 24.498



31, 13.153, 11.377



13, 46.423, 323.593



14, 9.095, 11.646



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



12, 35.433, 24.498



18, 44.798, 29.316



16, 31.262, 50.367



13, 1.827, 9.046



19, 46.780, 30.015



48, 89.597, 34.669

Inverse Universe

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



12, 35.433, 24.498



18, 44.798, 29.316



17, 20.490, 261.231



13, 1.827, 9.046



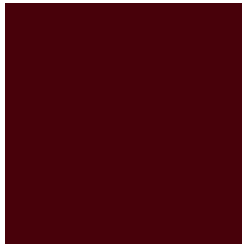
19, 46.780, 30.015



48, 89.597, 34.669

Previews

White Background



This preview shows how the CIELCh color 12, 35.434, 24.496 looks on a white background.

Color Contrast Check

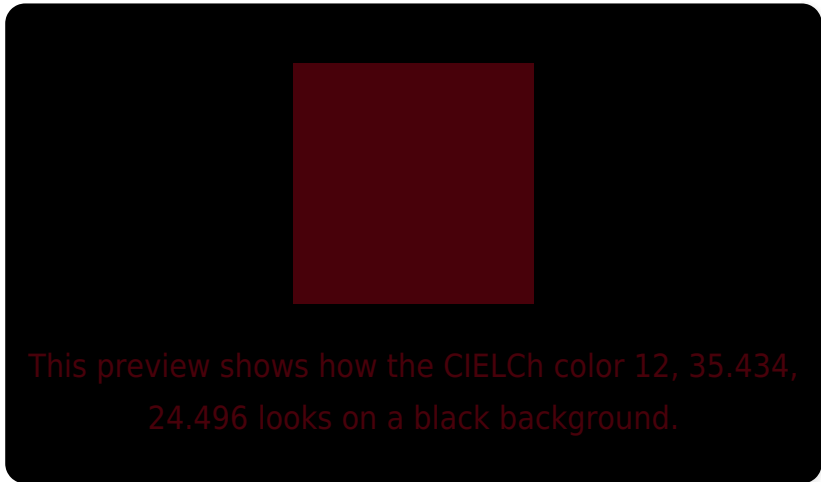
Large Text (above 18pt) WCAG AA ✓ Pass

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

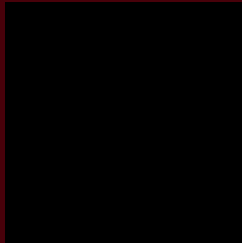
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 35.434, 24.496

Background



This preview shows how black text looks on a background with the CIELCh color 12, 35.434, 24.496.



This preview shows how white text looks on a background with the CIELCh color 12, 35.434, 24.496.

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

12, 35.441, 24.849

Protanopia

14, 13.250, 96.767

Deuteranopia

14, 20.665, 85.730



Tritanopia
12, 35.195, 33.363

Trichromacy



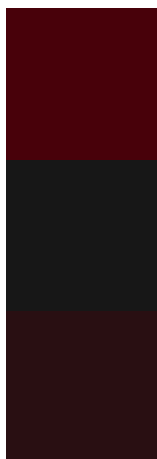
Original Color
12, 35.441, 24.849

Protanomaly
12, 17.808, 40.021

Deuteranomaly
12, 22.265, 47.760

Tritanomaly
12, 35.011, 29.839

Monochromacy



Original Color
12, 35.441, 24.849

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 14.405, 14.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 35.434, 24.496 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(72, 1, 10)` looks like.

```
.text, #text, p{  
    color:rgb(72, 1, 10)  
}
```

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(72, 1, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 1, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 35.434, 24.496 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(72, 1, 10) }
```

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

```
.border{ border-color:rgb(72, 1, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 1, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 1, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 1, 10); box-shadow:4px  
4px 4px 4px rgb(72, 1, 10) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 35.434, 24.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 1, 10) }
```

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

```
.background{ background-color: rgb(72, 1,  
10) }
```

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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