

Converting Colors

CIELCh(24, 37.554, 145.044)

Have a look what the booklet for
CIELCh(24, 37.554, 145.044)
contains.

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Color

CIELCh(24, 37.434, 144.753)

Conversions

Conversions Part 1

Format	Color
Hex	004316
RGB	0, 67, 22
RGB Percent	0%, 26%, 9%
CMY	0.9990, 0.7364, 0.9130
CMYK	1.00, 0.00, 0.67, 0.74
HSL	140°, 99%, 13%
HSV	140°, 100%, 26%
XYZ	2.1699, 4.1002, 1.4460
YIQ	41.8370, -25.4870, -28.1990

Conversions

Conversions Part 2

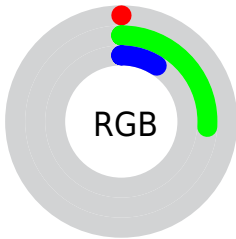
Format	Color
RYB	0, 50, 67
Decimal	17174
CIELab	24.00, -30.57, 21.60
CIELCh	24, 37.434, 144.753
Yxy	4.1002, 0.2812, 0.5314
Android (android.graphics.Color)	4278207254 (0xFF004316)
YUV	41.8370, -9.7796, -36.6910
Hunter-Lab	20.2490, -16.3071, 9.9403

Details

The CIELCh color **24, 37.434, 144.753** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 35.512, 344.227**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 37.180, 144.929**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 37.548, 144.711**, and if you desaturate by 10%, it is **24, 34.528, 145.998**.

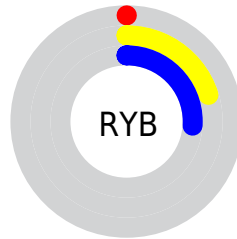
Distribution



Red (0%)

Green (26%)

Blue (9%)



Red (0%)

Yellow (20%)

Blue (26%)

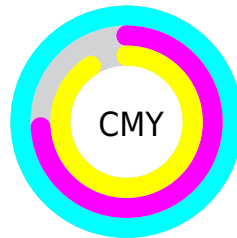


Cyan (100%)

Magenta (0%)

Yellow (67%)

Black (74%)



Cyan (100%)


Magenta (74%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 37.434, 144.753 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 24, 37.434, 144.753 by changing the saturation by 10% instead.

 24, 37.434,
144.753


 24, 37.434,
144.753

 100, 37.434,
144.753


 14, 37.434,
144.753


 44, 37.434,
144.753


 4, 37.434, 144.753

 54, 37.434,
144.753

 0, 37.434, 144.753

 64, 37.434,
144.753

 74, 37.434,
144.753

 84, 37.434,
144.753

 94, 37.434,

144.753

■ 24, 37.434,
144.753

■ 24, 37.434,
144.753

■ 24, 37.548,
144.711

■ 24, 34.528,
145.998

■ 24, 31.516,
147.532

■ 25, 28.192,
148.974

■ 25, 24.569,
150.266

■ 25, 20.707,
151.414

■ 26, 16.665,
152.430

■ 26, 12.506,
153.330

■ 27, 8.284, 154.130

■ 28, 4.045, 154.855

Harmonies

Complementary

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



24, 37.434, 144.753



12, 35.512, 344.227

Rectangle

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



24, 37.434, 144.753



24, 37.434, 194.753



24, 37.434, 324.753



24, 37.434, 14.753

Sweetspot

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



24, 37.434, 144.753



34, 15.654, 153.192



26, 38.606, 119.224



16, 10.506, 153.047



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 37.434, 144.753



31, 45.529, 143.773



25, 22.716, 174.783



12, 2.315, 154.934



35, 49.562, 143.429



78, 94.971, 141.742

Inverse Universe

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



12, 35.512, 344.227



17, 41.976, 345.132



11, 33.334, 20.757



12, 2.327, 335.900



20, 45.215, 345.469



50, 82.201, 347.288

Previews

White Background



This preview shows how the CIELCh color 24, 37.434, 144.753 looks on a white background.

Color Contrast Check

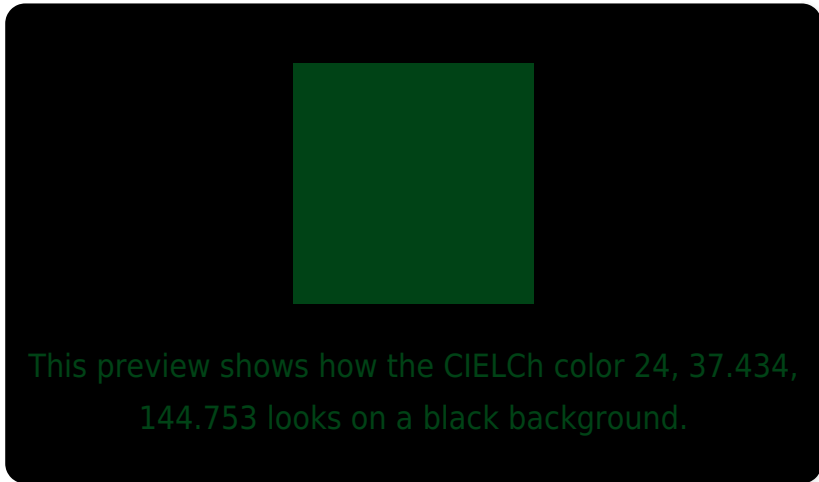
Large Text (above 18pt) WCAG AA ✓ Pass

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

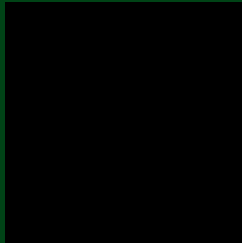
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 37.434, 144.753

Background



This preview shows how black text looks on a background with the CIELCh color 24, 37.434, 144.753.



This preview shows how white text looks on a background with the CIELCh color 24, 37.434, 144.753.

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

24, 37.434, 144.753

Protanopia

24, 24.195, 97.284

Deuteranopia

24, 20.880, 81.682



Tritanopia
24, 13.220, 212.029

Trichromacy



Original Color
24, 37.434, 144.753

Protanomaly
23, 27.076, 126.520

Deuteranomaly
23, 22.879, 123.504

Tritanomaly
24, 20.409, 169.001

Monochromacy



Original Color
24, 37.434, 144.753

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 15.584, 152.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 37.434, 144.753 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(0, 67, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 22)  
}
```

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(0, 67, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 37.434, 144.753 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(0, 67, 22) }
```

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

```
.border{ border-color:rgb(0, 67, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 67, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 22); box-shadow:4px  
4px 4px 4px rgb(0, 67, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 37.434, 144.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 22) }
```

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

```
.background{ background-color: rgb(0, 67,  
22) }
```

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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