

Converting Colors

CIELCh(9, 31.483, 158.098)

Have a look what the booklet for
CIELCh(9, 31.483, 158.098) contains.

CIELCh(11, 24.931, 145.256)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(11, 24.931, 145.256)

Conversions

Conversions Part 1

Format	Color
Hex	012404
RGB	1, 36, 4
RGB Percent	0%, 14%, 2%
CMY	0.9966, 0.8598, 0.9831
CMYK	0.98, 0.00, 0.88, 0.86
HSL	126°, 95%, 7%
HSV	126°, 98%, 14%
XYZ	0.6574, 1.2610, 0.3326
YIQ	21.8870, -10.5880, -17.3720

Conversions

Conversions Part 2

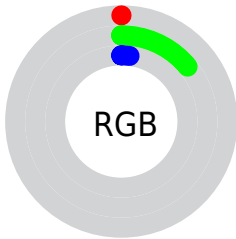
Format	Color
R_YB	1, 33, 36
Decimal	74756
CIE Lab	11.00, -20.49, 14.21
CIE LCh	11, 24.931, 145.256
Yxy	1.2610, 0.2920, 0.5602
Android (android.graphics.Color)	4278264836 (0xFF012404)
YUV	21.8870, -8.8183, -18.3179
Hunter-Lab	11.2295, -9.2024, 6.1046

Details

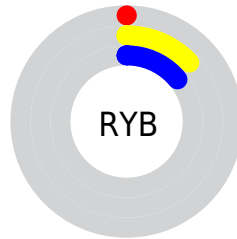
The CIELCh color **11, 24.931, 145.256** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4, 24.179, 330.533**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **31, 25.060, 145.240**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 25.386, 145.319**, and if you desaturate by 10%, it is **11, 23.023, 144.962**.

Distribution



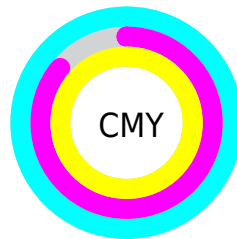
- Red (0%)
- Green (14%)
- Blue (2%)



- Red (0%)
- Yellow (13%)
- Blue (14%)



- Cyan (98%)
- Magenta (0%)
- Yellow (88%)
- Black (86%)



- Cyan (100%)
- Magenta (86%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 24.931, 145.256 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 11, 24.931, 145.256 by changing the saturation by 10% instead.

■ 11, 24.931,
145.256

■ 11, 24.931,
145.256

■ 100, 24.931,
145.256

■ 1, 24.931, 145.256

■ 31, 24.931,
145.256

■ 0, 24.931, 145.256

■ 41, 24.931,
145.256


■ 51, 24.931,
145.256


■ 61, 24.931,
145.256


■ 71, 24.931,
145.256


■ 81, 24.931,


145.256


 91, 24.931,
145.256


 11, 24.931,
145.256


 11, 24.931,
145.256


 11, 25.386,
145.319

 11, 23.023,
144.962

 11, 21.095,
144.613

 12, 18.985,
144.423

 12, 16.570,
144.326

 12, 13.897,
144.524

■ 13, 11.023,
145.186

■ 13, 8.094, 145.833

■ 13, 5.148, 146.410

■ 14, 2.212, 146.939

Harmonies

Complementary

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



11, 24.931, 145.256



4, 24.179, 330.533

Rectangle

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



11, 24.931, 145.256



11, 24.931, 195.256



11, 24.931, 325.256



11, 24.931, 15.256

Sweetspot

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



11, 24.931, 145.256



17, 10.524, 145.626



13, 20.057, 110.891



7, 5.811, 146.804



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



11, 24.931, 145.256



15, 32.065, 141.899



11, 18.296, 160.185



5, 1.172, 147.174



29, 49.913, 137.999



73, 101.154, 136.812

Inverse Universe

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



4, 24.179, 330.533



7, 32.242, 331.703



4, 16.941, 357.906



5, 1.169, 327.316



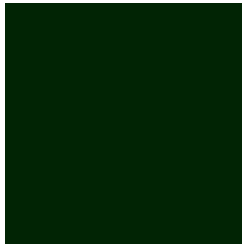
17, 47.039, 332.221



49, 92.003, 332.657

Previews

White Background



This preview shows how the CIELCh color 11, 24.931, 145.256 looks on a white background.

Color Contrast Check

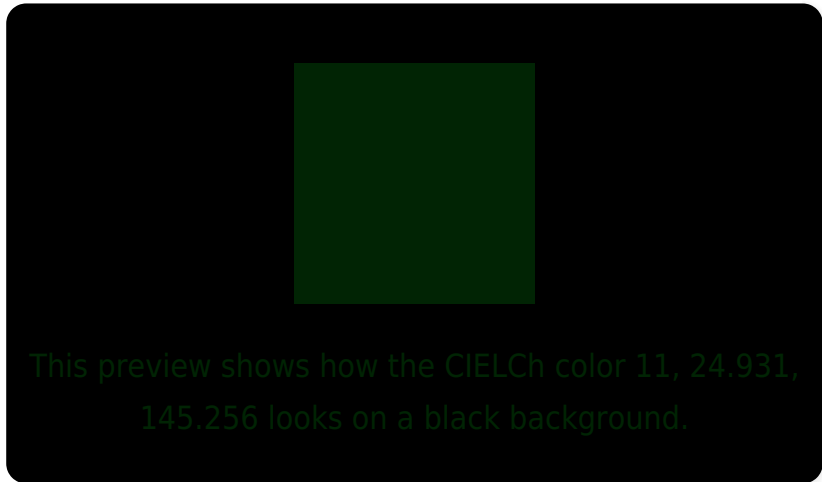
Large Text (above 18pt) WCAG AA ✓ Pass

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

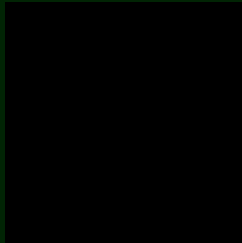
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 24.931, 145.256

Background



This preview shows how black text looks on a background with the CIELCh color 11, 24.931, 145.256.



This preview shows how white text looks on a background with the CIELCh color 11, 24.931, 145.256.

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

11, 25.228, 144.934

Protanopia

11, 16.437, 101.084

Deuteranopia

11, 13.289, 84.289



Tritanopia
11, 7.723, 214.283

Trichromacy



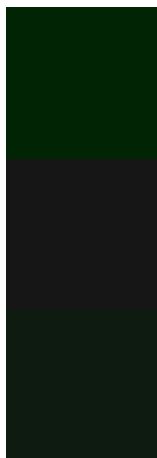
Original Color
11, 25.228, 144.934

Protanomaly
11, 18.608, 126.486

Deuteranomaly
10, 15.004, 122.945

Tritanomaly
11, 13.129, 162.494

Monochromacy



Original Color
11, 25.228, 144.934

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 9.793, 147.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 24.931, 145.256 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(1, 36, 4)` looks like.

```
.text, #text, p{  
    color:rgb(1, 36, 4)  
}
```

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(1, 36, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 36, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 24.931, 145.256 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(1, 36, 4) }
```

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

```
.border{ border-color:rgb(1, 36, 4) }
```

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

Here you see how a box with a 4 pixel rgb(1, 36, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 36, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 36, 4); box-shadow:4px  
4px 4px 4px rgb(1, 36, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 24.931, 145.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 36, 4) }
```

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

```
.background{ background-color: rgb(1, 36,  
4) }
```

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