

Converting Colors

CIELCh(18, 25.040, 119.130)

Have a look what the booklet for
CIELCh(18, 25.040, 119.130)
contains.

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Color

CIELCh(18, 24.946, 119.453)

Conversions

Conversions Part 1	
Format	Color
Hex	243009
RGB	36, 48, 9
RGB Percent	14%, 19%, 4%
CMY	0.8585, 0.8114, 0.9642
CMYK	0.25, 0.00, 0.81, 0.81
HSL	78°, 68%, 11%
HSV	78°, 81%, 19%
XYZ	1.8413, 2.5180, 0.6511
YIQ	39.9660, 5.3670, -14.6730

Conversions

Conversions Part 2

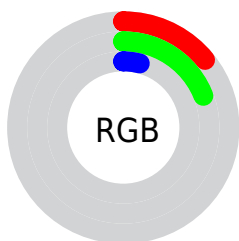
Format	Color
RYB	9, 48, 21
Decimal	2371593
CIELab	18.00, -12.27, 21.72
CIELCh	18, 24.946, 119.453
Yxy	2.5180, 0.3675, 0.5026
Android (android.graphics.Color)	4280561673 (0xFF243009)
YUV	39.9660, -15.2662, -3.4782
Hunter-Lab	15.8683, -7.0575, 8.6752

Details

The CIELCh color **18, 24.946, 119.453** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 28.176, 305.327**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 25.147, 119.168**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 27.039, 119.838**, and if you desaturate by 10%, it is **18, 22.691, 119.163**.

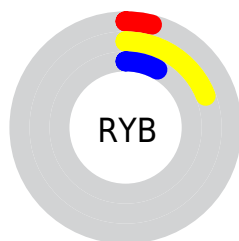
Distribution



Red (14%)

Green (19%)

Blue (4%)



Red (4%)

Yellow (19%)

Blue (8%)

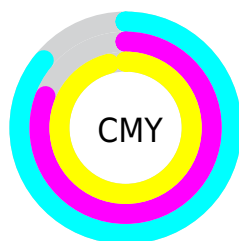


Cyan (25%)

Magenta (0%)

Yellow (81%)

Black (81%)



Cyan (86%)


Magenta (81%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.946, 119.453 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 18, 24.946, 119.453 by changing the saturation by 10% instead.

 18, 24.946,
119.453


 18, 24.946,
119.453


 100, 24.946,
119.453


 8, 24.946, 119.453


 38, 24.946,
119.453

 0, 24.946, 119.453

 48, 24.946,
119.453

 58, 24.946,
119.453


 68, 24.946,
119.453


 78, 24.946,
119.453


 88, 24.946,


119.453


 98, 24.946,
119.453


 18, 24.946,
119.453


 18, 24.946,
119.453


 18, 27.039,
119.838

 18, 22.691,
119.163

 18, 28.928,
120.155

 18, 19.909,
119.315

 19, 16.830,
119.718

 19, 13.632,
120.168

 19, 10.358,
120.643

■ 19, 7.037, 121.125

■ 20, 3.692, 121.603

■ 20, 0.339, 122.118

■ 20, 3.011, 302.500

Harmonies

Complementary

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



18, 24.946, 119.453



5, 28.176, 305.327

Rectangle

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



18, 24.946, 119.453



18, 24.946, 169.453



18, 24.946, 299.453



18, 24.946, 349.453

Sweetspot

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



18, 24.946, 119.454



26, 10.173, 120.913



10, 17.492, 43.779



12, 7.062, 120.869



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 24.946, 119.454



24, 36.230, 118.888



17, 28.670, 135.817



8, 1.658, 122.472



33, 46.374, 119.164



79, 89.919, 120.415

Inverse Universe

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



5, 28.176, 305.327



5, 43.729, 307.913



8, 29.701, 321.327



7, 1.658, 301.742



8, 58.541, 309.181



29, 113.820, 308.344

Previews

White Background



This preview shows how the CIELCh color 18, 24.946, 119.453 looks on a white background.

Color Contrast Check

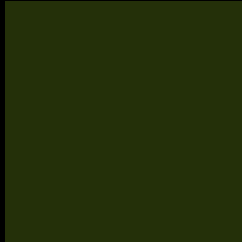
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 18, 24.946, 119.453 looks on a 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

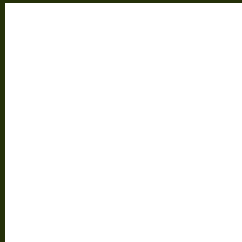
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 24.946, 119.453

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.946, 119.453.



This preview shows how white text looks on a background with the CIELCh color 18, 24.946, 119.453.

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

18, 24.946, 119.453

Protanopia

18, 22.519, 96.032

Deuteranopia

18, 20.948, 84.520



Tritanopia
18, 3.026, 242.396

Trichromacy



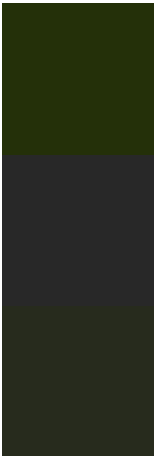
Original Color
18, 24.946, 119.453

Protanomaly
18, 22.760, 104.655

Deuteranomaly
18, 21.122, 98.810

Tritanomaly
18, 8.936, 130.985

Monochromacy



Original Color
18, 24.946, 119.453

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 9.848, 119.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.946, 119.453 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(36, 48, 9)` looks like.

```
.text, #text, p{  
    color:rgb(36, 48, 9)  
}
```

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(36, 48, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 48, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.946, 119.453 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(36, 48, 9) }
```

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

```
.border{ border-color:rgb(36, 48, 9) }
```

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

Here you see how a box with a 4 pixel rgb(36, 48, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 48, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 48, 9); box-shadow:4px  
4px 4px 4px rgb(36, 48, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.946, 119.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 48, 9) }
```

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

```
.background{ background-color: rgb(36, 48,  
9) }
```

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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