

Converting Colors

CIELCh(24, 77.279, 102.890)

Have a look what the booklet for
CIELCh(24, 77.279, 102.890)
contains.

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Color

CIELCh(24, 36.105, 115.634)

Conversions

Conversions Part 1

Format	Color
Hex	2F3E00
RGB	47, 62, 0
RGB Percent	18%, 24%, 0%
CMY	0.8141, 0.7553, 1.0000
CMYK	0.24, 0.00, 1.00, 0.76
HSL	74°, 100%, 12%
HSV	74°, 100%, 24%
XYZ	2.9310, 4.1002, 0.6172
YIQ	50.4470, 10.9620, -22.4620

Conversions

Conversions Part 2

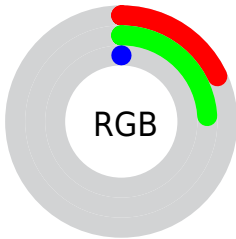
Format	Color
RYB	0, 62, 15
Decimal	3096064
CIELab	24.00, -15.62, 32.55
CIELCh	24, 36.105, 115.634
Yxy	4.1002, 0.3832, 0.5361
Android (android.graphics.Color)	4281286144 (0xFF2F3E00)
YUV	50.4470, -24.8704, -3.0230
Hunter-Lab	20.2490, -9.5981, 12.3671

Details

The CIELCh color **24, 36.105, 115.634** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 43.599, 306.091**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 36.004, 116.349**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 35.838, 115.759**, and if you desaturate by 10%, it is **24, 33.229, 115.728**.

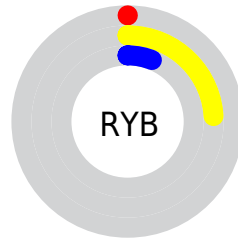
Distribution



Red (18%)

Green (24%)

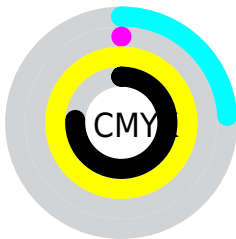
Blue (0%)



Red (0%)

Yellow (24%)

Blue (6%)

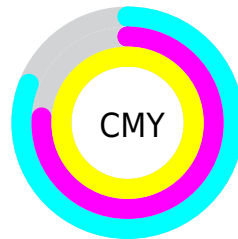


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 36.105, 115.634 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, 36.105, 115.634 by changing the saturation by 10% instead.

 24, 36.105,
115.634


 24, 36.105,
115.634

 100, 36.105,
115.634

 14, 36.105,
115.634


 44, 36.105,
115.634

 4, 36.105, 115.634

 54, 36.105,
115.634

 0, 36.105, 115.634

 64, 36.105,
115.634

 74, 36.105,
115.634

 84, 36.105,
115.634

 94, 36.105,

115.634

■ 24, 36.105,
115.634

■ 24, 36.105,
115.634

■ 24, 35.838,
115.759

■ 24, 33.229,
115.728

■ 24, 30.569,
115.742

■ 25, 27.467,
115.960

■ 25, 23.990,
116.327

■ 25, 20.255,
116.792

■ 25, 16.348,
117.316

■ 25, 12.332,
117.869

■ 26, 8.249, 118.433

■ 26, 4.130, 118.994

Harmonies

Complementary

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



24, 36.105, 115.634



4, 43.599, 306.091

Rectangle

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



24, 36.105, 115.634



24, 36.105, 165.634



24, 36.105, 295.634



24, 36.105, 345.634

Sweetspot

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



24, 35.838, 115.759



34, 15.411, 117.793



12, 28.829, 38.873



16, 10.327, 117.712



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 35.838, 115.759



32, 43.696, 115.822



22, 40.935, 132.851



11, 2.255, 119.083



37, 48.352, 116.061



82, 90.510, 117.016

Inverse Universe

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



4, 43.599, 306.091



7, 56.457, 308.192



8, 43.255, 319.521



10, 2.292, 300.011



9, 62.868, 308.178



29, 118.152, 307.543

Previews

White Background



This preview shows how the CIE LCh color 24, 36.105, 115.634 looks on a white background.

Color Contrast Check

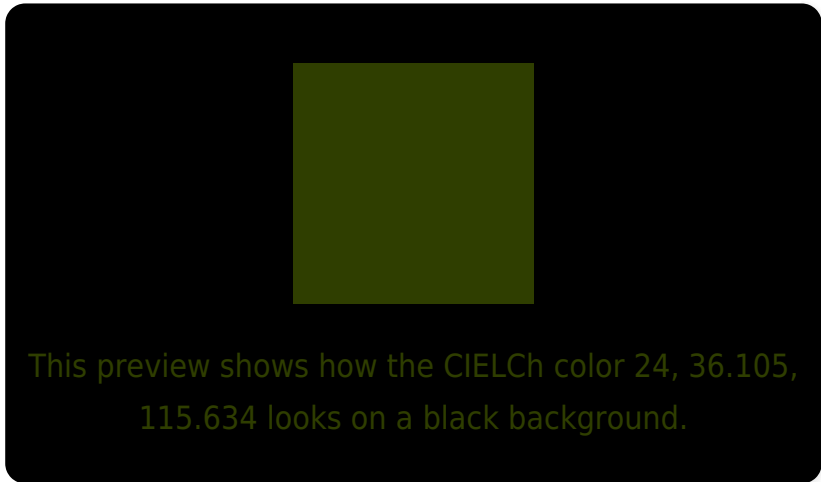
Large Text (above 18pt) WCAG AA ✓ Pass

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

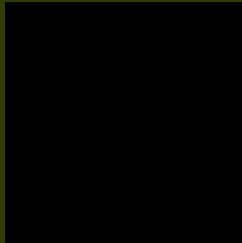
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 36.105, 115.634

Background



This preview shows how black text looks on a background with the CIELCh color 24, 36.105, 115.634.



This preview shows how white text looks on a background with the CIELCh color 24, 36.105, 115.634.

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, 35.666, 115.854

Protanopia

24, 32.811, 95.465

Deuteranopia

24, 28.582, 83.773



Tritanopia
24, 3.911, 257.329

Trichromacy



Original Color
24, 35.666, 115.854

Protanomaly
24, 33.353, 103.162

Deuteranomaly
24, 29.812, 97.358

Tritanomaly
24, 13.787, 125.918

Monochromacy



Original Color
24, 35.666, 115.854

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 15.317, 116.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 36.105, 115.634 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(47, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 62, 0)  
}
```

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(47, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 62, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 36.105, 115.634 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(47, 62, 0) }
```

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

```
.border{ border-color:rgb(47, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(47, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 62, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(47, 62, 0); box-shadow:4px  
4px 4px 4px rgb(47, 62, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 36.105, 115.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 62, 0) }
```

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

```
.background{ background-color: rgb(47, 62,  
0) }
```

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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