

Converting Colors

CIELCh(32, 52.970, 104.117)

Have a look what the booklet for
CIELCh(32, 52.970, 104.117)
contains.

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Color

CIELCh(32, 41.901, 106.378)

Conversions

Conversions Part 1

Format	Color
Hex	4A4F00
RGB	74, 79, 0
RGB Percent	29%, 31%, 0%
CMY	0.7091, 0.6893, 1.0000
CMYK	0.06, 0.00, 1.00, 0.69
HSL	64°, 100%, 16%
HSV	64°, 100%, 31%
XYZ	5.6452, 7.0852, 1.0491
YIQ	68.4990, 22.3790, -25.6290

Conversions

Conversions Part 2

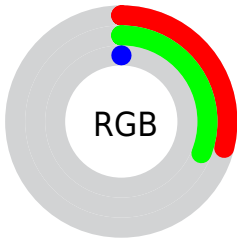
Format	Color
RYB	0, 79, 5
Decimal	4869888
CIELab	32.00, -11.81, 40.20
CIELCh	32, 41.901, 106.378
Yxy	7.0852, 0.4097, 0.5142
Android (android.graphics.Color)	4283059968 (0xFF4A4F00)
YUV	68.4990, -33.7700, 4.8244
Hunter-Lab	26.6180, -8.7249, 16.2958

Details

The CIELCh color **32, 41.901, 106.378** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5, 55.536, 305.935**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 41.733, 106.132**, and **12, 20.636, 120.864** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.628, 106.447**, and if you desaturate by 10%, it is **32, 38.845, 106.765**.

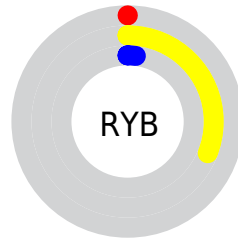
Distribution



Red (29%)

Green (31%)

Blue (0%)



Red (0%)

Yellow (31%)

Blue (2%)

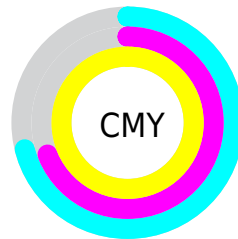


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (69%)



Cyan (71%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 41.901, 106.378 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 32, 41.901, 106.378 by changing the saturation by 10% instead.


 32, 41.901,
106.378


 32, 41.901,
106.378

 100, 41.901,
106.378


 22, 41.901,
106.378

 52, 41.901,
106.378


 12, 41.901,
106.378


 62, 41.901,
106.378

 2, 41.901, 106.378

 72, 41.901,
106.378

 0, 41.901, 106.378

 82, 41.901,
106.378

 92, 41.901,
106.378

■ 32, 41.901,
106.378

■ 32, 41.901,
106.378

■ 32, 41.628,
106.447

■ 32, 38.845,
106.765

■ 32, 36.077,
107.066

■ 32, 32.610,
107.531

■ 32, 28.600,
108.126

■ 33, 24.215,
108.811

■ 33, 19.583,
109.554

■ 33, 14.793,
110.330

■ 33, 9.906, 111.119

Harmonies

Complementary

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



32, 41.901, 106.378



5, 55.536, 305.935

Rectangle

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



32, 41.901, 106.378



32, 41.901, 156.378



32, 41.901, 286.378



32, 41.901, 336.378

Sweetspot

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



32, 41.628, 106.447



42, 18.219, 110.248



14, 39.584, 33.836



21, 12.257, 110.076



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 41.628, 106.447



41, 49.588, 106.570



29, 46.780, 128.135



16, 2.843, 112.004



42, 50.459, 106.581



88, 90.523, 106.837

Inverse Universe

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



5, 55.536, 305.935



9, 67.867, 306.665



10, 52.457, 314.101



15, 2.898, 293.413



9, 69.069, 306.655



29, 124.301, 306.435

Previews

White Background



This preview shows how the CIELCh color 32, 41.901, 106.378 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 32, 41.901, 106.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

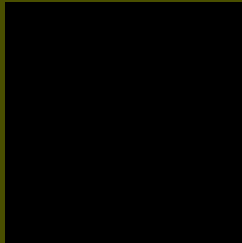
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 41.901, 106.378

Background



This preview shows how black text looks on a background with the CIELCh color 32, 41.901, 106.378.

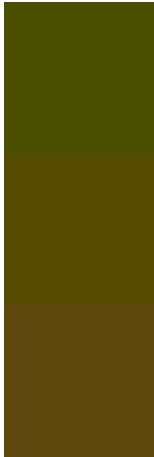


This preview shows how white text looks on a background with the CIELCh color 32, 41.901, 106.378.

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

32, 41.546, 106.416

Protanopia

32, 40.661, 96.161

Deuteranopia

32, 36.404, 84.230



Tritanopia
32, 4.114, 329.763

Trichromacy



Original Color
32, 41.546, 106.416

Protanomaly
32, 40.776, 99.908

Deuteranomaly
32, 37.643, 93.714

Tritanomaly
32, 16.261, 103.794

Monochromacy



Original Color
32, 41.546, 106.416

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 18.186, 109.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 41.901, 106.378 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(74, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 79, 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(74, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 79, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 41.901, 106.378 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(74, 79, 0) }
```

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

```
.border{ border-color:rgb(74, 79, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 79, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 79, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 79, 0); box-shadow:4px  
4px 4px 4px rgb(74, 79, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 41.901, 106.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 79, 0) }
```

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

```
.background{ background-color: rgb(74, 79,  
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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