

Converting Colors

CIELCh(37, 50.235, 116.761)

Have a look what the booklet for
CIELCh(37, 50.235, 116.761)
contains.

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Color

CIELCh(37, 48.864, 117.203)

Conversions

Conversions Part 1

Format	Color
Hex	465F00
RGB	70, 95, 0
RGB Percent	27%, 37%, 0%
CMY	0.7245, 0.6265, 0.9989
CMYK	0.26, 0.00, 1.00, 0.63
HSL	76°, 99%, 19%
HSV	76°, 100%, 37%
XYZ	6.6578, 9.5379, 1.4977
YIQ	76.6950, 15.5950, -34.8450

Conversions

Conversions Part 2

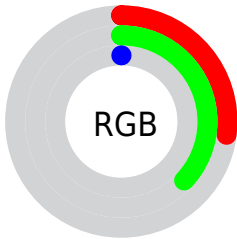
Format	Color
RYB	0, 95, 25
Decimal	4611840
CIELab	37.00, -22.34, 43.46
CIELCh	37, 48.864, 117.203
Yxy	9.5379, 0.3763, 0.5391
Android (android.graphics.Color)	4282801920 (0xFF465F00)
YUV	76.6950, -37.8106, -5.8715
Hunter-Lab	30.8835, -15.5658, 18.7432

Details

The CIELCh color **37, 48.864, 117.203** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **9, 62.882, 308.412**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 49.178, 117.162**, and **17, 32.029, 130.835** is the 20% darker color. If you saturate the color by 10%, you get **37, 48.950, 117.208**, and if you desaturate by 10%, it is **37, 45.975, 116.958**.

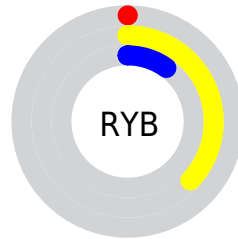
Distribution



Red (27%)

Green (37%)

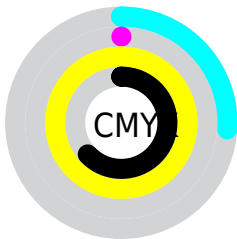
Blue (0%)



Red (0%)

Yellow (37%)

Blue (10%)

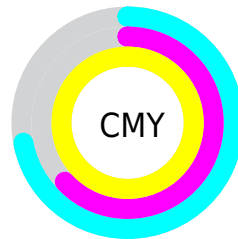


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (63%)



Cyan (72%)

Magenta (63%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 48.864, 117.203 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 37, 48.864, 117.203 by changing the saturation by 10% instead.

 37, 48.864,
117.203


 37, 48.864,
117.203

 100, 48.864,
117.203

 27, 48.864,
117.203

 57, 48.864,
117.203

 17, 48.864,
117.203

 67, 48.864,
117.203

 7, 48.864, 117.203

 77, 48.864,
117.203

 0, 48.864, 117.203

 87, 48.864,
117.203

 97, 48.864,
117.203

■ 37, 48.864,
117.203

■ 37, 48.864,
117.203

■ 37, 48.950,
117.208

■ 37, 45.975,
116.958

■ 37, 42.747,
116.768

■ 38, 38.629,
116.870

■ 38, 33.854,
117.179

■ 38, 28.629,
117.623

■ 39, 23.109,
118.147

■ 39, 17.404,
118.712

■ 39, 11.591,

119.292

■ 40, 5.720, 119.869

Harmonies

Complementary

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



37, 48.864, 117.203



9, 62.882, 308.412

Rectangle

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



37, 48.864, 117.203



37, 48.864, 167.203



37, 48.864, 297.203



37, 48.864, 347.203

Sweetspot

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



37, 48.864, 117.205



51, 21.955, 118.641



20, 43.542, 44.272



26, 15.071, 118.475



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 48.864, 117.205



48, 59.466, 117.611



35, 56.060, 133.224



20, 3.349, 119.916



43, 55.015, 117.462



88, 96.603, 118.270

Inverse Universe

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



9, 62.882, 308.412



14, 76.721, 308.165



16, 57.477, 319.517



18, 3.408, 300.927



12, 70.940, 308.266



33, 124.892, 307.747

Previews

White Background



This preview shows how the CIELCh color 37, 48.864, 117.203 looks on a white background.

Color Contrast Check

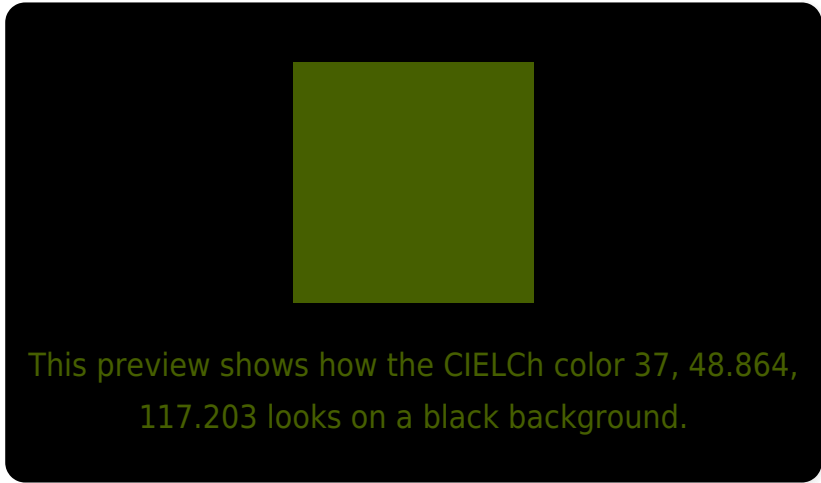
Large Text (above 18pt) WCAG AA ✓ Pass

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

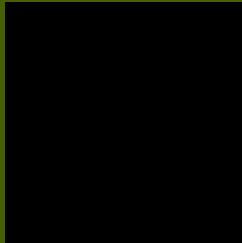
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 48.864, 117.203

Background



This preview shows how black text looks on a background with the CIELCh color 37, 48.864, 117.203.



This preview shows how white text looks on a background with the CIELCh color 37, 48.864, 117.203.

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
37, 48.864, 117.203

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 39.732, 83.335



Tritanopia
37, 5.805, 247.374

Trichromacy



Original Color
37, 48.864, 117.203

Protanomaly
37, 45.334, 104.134

Deuteranomaly
37, 40.914, 96.963

Tritanomaly
37, 19.509, 127.651

Monochromacy



Original Color
37, 48.864, 117.203

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 21.807, 117.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 48.864, 117.203 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(70, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 95, 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(70, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 95, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 48.864, 117.203 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(70, 95, 0) }
```

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

```
.border{ border-color:rgb(70, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 95, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 95, 0); box-shadow:4px  
4px 4px 4px rgb(70, 95, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 48.864, 117.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 95, 0) }
```

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

```
.background{ background-color: rgb(70, 95,  
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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