

Converting Colors

CIELCh(37, 38.300, 116.073)

Have a look what the booklet for
CIELCh(37, 38.300, 116.073)
contains.

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Color

CIELCh(37, 38.296, 115.915)

Conversions

Conversions Part 1

Format	Color
Hex	4D5D1B
RGB	77, 93, 27
RGB Percent	30%, 36%, 11%
CMY	0.6971, 0.6344, 0.8932
CMYK	0.17, 0.00, 0.71, 0.63
HSL	75°, 55%, 24%
HSV	75°, 71%, 37%
XYZ	7.2154, 9.5379, 2.5118
YIQ	80.6920, 11.6500, -23.9180

Conversions

Conversions Part 2

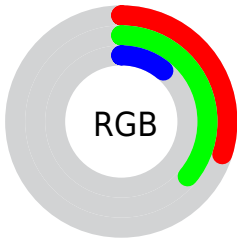
Format	Color
RYB	27, 93, 43
Decimal	5070107
CIELab	37.00, -16.74, 34.45
CIElCh	37, 38.296, 115.915
Yxy	9.5379, 0.3745, 0.4951
Android (android.graphics.Color)	4283260187 (0xFF4D5D1B)
YUV	80.6920, -26.4702, -3.2379
Hunter-Lab	30.8835, -12.3426, 16.7963

Details

The CIELCh color **37, 38.296, 115.915** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **16, 45.384, 305.667**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 37.981, 115.791**, and **17, 28.723, 122.736** is the 20% darker color. If you saturate the color by 10%, you get **37, 42.246, 115.809**, and if you desaturate by 10%, it is **37, 33.680, 116.233**.

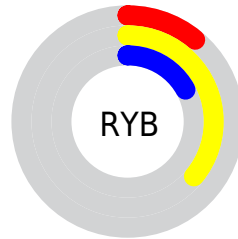
Distribution



Red (30%)

Green (36%)

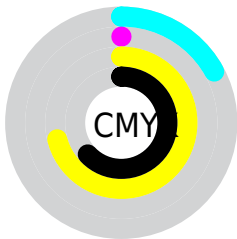
Blue (11%)



Red (11%)

Yellow (36%)

Blue (17%)

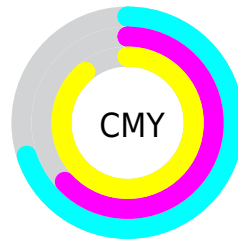


Cyan (17%)

Magenta (0%)

Yellow (71%)

Black (63%)



Cyan (70%)


Magenta (63%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 38.296, 115.915 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, 38.296, 115.915 by changing the saturation by 10% instead.


 37, 38.296,
115.915


 37, 38.296,
115.915

 100, 38.296,
115.915


 27, 38.296,
115.915

 57, 38.296,
115.915


 17, 38.296,
115.915


 67, 38.296,
115.915

 7, 38.296, 115.915

 77, 38.296,
115.915

 0, 38.296, 115.915

 87, 38.296,
115.915

 97, 38.296,
115.915

■ 37, 38.296,
115.915

■ 37, 38.296,
115.915

■ 37, 42.246,
115.809

■ 37, 33.680,
116.233

■ 37, 45.317,
115.986

■ 38, 28.604,
116.686

■ 36, 47.975,
116.149

■ 38, 23.225,
117.222

■ 38, 17.655,
117.801

■ 39, 11.970,
118.398

■ 39, 6.223, 118.995

■ 40, 0.450, 119.609

■ 40, 5.322, 300.131

■ 41, 11.076,
300.666

Harmonies

Complementary

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



37, 38.296, 115.915



16, 45.384, 305.667

Rectangle

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



37, 38.296, 115.915



37, 38.296, 165.915



37, 38.296, 295.915



37, 38.296, 345.915

Sweetspot

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



37, 38.296, 115.917



50, 15.124, 118.345



24, 29.936, 43.454



25, 10.135, 118.242



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 38.296, 115.917



48, 53.911, 115.901



35, 43.629, 133.332



19, 3.190, 119.112



43, 53.826, 116.389



87, 95.257, 117.177

Inverse Universe

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



16, 45.384, 305.667



17, 67.336, 307.112



20, 45.146, 319.233



17, 3.247, 300.149



12, 70.000, 308.044



32, 124.258, 307.535

Previews

White Background



This preview shows how the CIELCh color 37, 38.296, 115.915 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 37, 38.296, 115.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

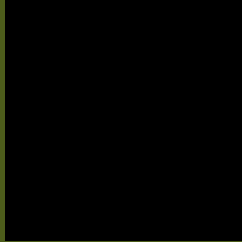
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 38.296, 115.915

Background



This preview shows how black text looks on a background with the CIELCh color 37, 38.296, 115.915.



This preview shows how white text looks on a background with the CIELCh color 37, 38.296, 115.915.

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, 38.296, 115.915

Protanopia

37, 35.659, 95.313

Deuteranopia

37, 33.913, 81.870



Tritanopia
37, 4.475, 274.995

Trichromacy



Original Color
37, 38.296, 115.915

Protanomaly
37, 36.062, 103.451

Deuteranomaly
37, 33.689, 96.012

Tritanomaly
37, 12.078, 123.324

Monochromacy



Original Color
37, 38.296, 115.915

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 14.952, 116.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 38.296, 115.915 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(77, 93, 27)` looks like.

```
.text, #text, p{  
    color:rgb(77, 93, 27)  
}
```

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(77, 93, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 93, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 38.296, 115.915 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(77, 93, 27) }
```

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

```
.border{ border-color:rgb(77, 93, 27) }
```

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

Here you see how a box with a 4 pixel rgb(77, 93, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 93, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 93, 27);  
box-shadow:4px 4px 4px 4px rgb(77, 93, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 38.296, 115.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 93, 27) }
```

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

```
.background{ background-color: rgb(77, 93,  
27) }
```

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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