

Converting Colors

CIELCh(37, 82.064, 115.678)

Have a look what the booklet for
CIELCh(37, 82.064, 115.678)
contains.

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Color

CIELCh(37, 54.087, 127.226)

Conversions

Conversions Part 1

Format	Color
Hex	316300
RGB	49, 99, 0
RGB Percent	19%, 39%, 0%
CMY	0.8086, 0.6125, 1.0000
CMYK	0.51, 0.00, 1.00, 0.61
HSL	90°, 100%, 19%
HSV	90°, 100%, 39%
XYZ	5.7015, 9.5379, 1.5348
YIQ	72.7640, 1.9790, -41.3890

Conversions

Conversions Part 2

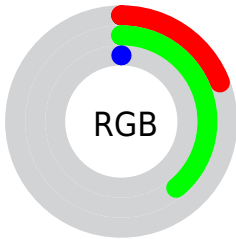
Format	Color
RYB	0, 99, 50
Decimal	3236608
CIELab	37.00, -32.72, 43.07
CIELCh	37, 54.087, 127.226
Yxy	9.5379, 0.3399, 0.5686
Android (android.graphics.Color)	4281426688 (0xFF316300)
YUV	72.7640, -35.8727, -20.8410
Hunter-Lab	30.8835, -21.0930, 18.6720

Details

The CIELCh color $37, 54.087, 127.226$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $13, 61.814, 312.714$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 53.852, 127.357$, and $17, 36.761, 138.832$ is the 20% darker color. If you saturate the color by 10%, you get $37, 54.036, 127.257$, and if you desaturate by 10%, it is $37, 50.730, 126.904$.

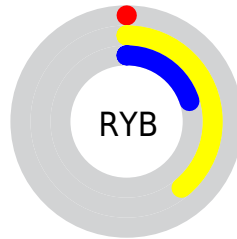
Distribution



Red (19%)

Green (39%)

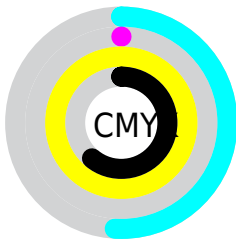
Blue (0%)



Red (0%)

Yellow (39%)

Blue (20%)

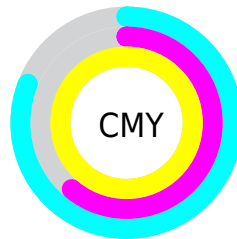


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (81%)

Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 54.087, 127.226 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, 54.087, 127.226 by changing the saturation by 10% instead.

 37, 54.087,
127.226

 37, 54.087,
127.226

 100, 54.087,
127.226

 27, 54.087,
127.226

 57, 54.087,
127.226

 17, 54.087,
127.226

 67, 54.087,
127.226

 7, 54.087, 127.226

 77, 54.087,
127.226

 0, 54.087, 127.226

 87, 54.087,
127.226

 97, 54.087,
127.226

■ 37, 54.087,
127.226

■ 37, 54.087,
127.226

■ 37, 54.036,
127.257

■ 37, 50.730,
126.904

■ 38, 47.029,
126.559

■ 38, 42.408,
126.546

■ 38, 37.109,
126.761

■ 39, 31.347,
127.112

■ 39, 25.288,
127.536

■ 40, 19.050,
127.988

■ 41, 12.718,

128.441

■ 41, 6.352, 128.882

Harmonies

Complementary

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



37, 54.087, 127.226



13, 61.814, 312.714

Rectangle

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



37, 54.087, 127.226



37, 54.087, 177.226



37, 54.087, 307.226



37, 54.087, 357.226

Sweetspot

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



37, 54.036, 127.257



51, 23.483, 127.948



26, 41.384, 62.535



25, 15.866, 127.819



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, 54.036, 127.257



47, 65.056, 127.728



36, 59.779, 136.016



20, 3.504, 128.932



42, 59.240, 127.505



85, 104.580, 128.512

Inverse Universe

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



13, 61.814, 312.714



19, 74.302, 312.392



22, 57.677, 328.233



18, 3.547, 309.634



16, 67.710, 312.545



38, 119.126, 311.851

Previews

White Background



This preview shows how the CIELCh color 37, 54.087, 127.226 looks on a white background.

Color Contrast Check

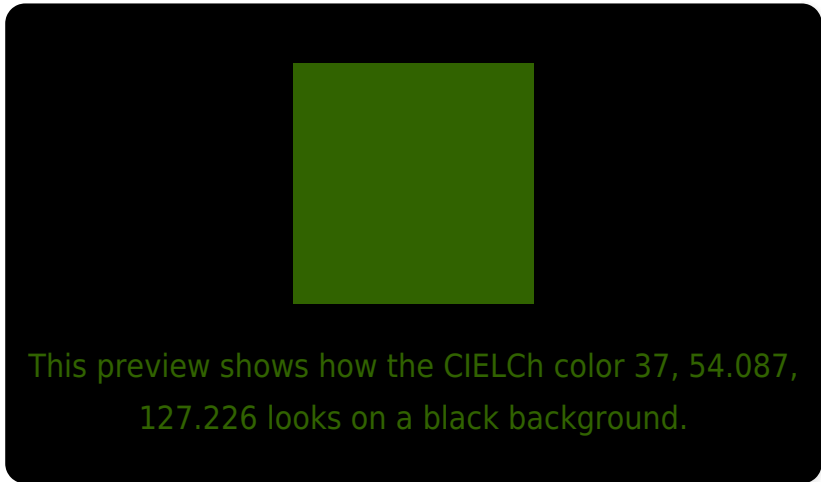
Large Text (above 18pt) WCAG AA ✓ Pass

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

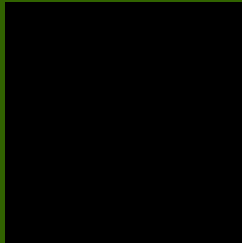
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 54.087, 127.226

Background



This preview shows how black text looks on a background with the CIELCh color 37, 54.087, 127.226.



This preview shows how white text looks on a background with the CIELCh color 37, 54.087, 127.226.

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, 54.087, 127.226

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 38.564, 82.838



Tritanopia
37, 11.786, 219.797

Trichromacy



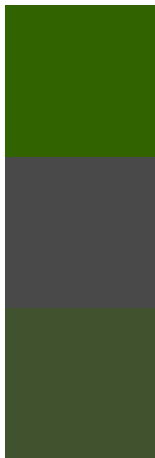
Original Color
37, 54.087, 127.226

Protanomaly
36, 46.072, 109.715

Deuteranomaly
36, 40.705, 104.174

Tritanomaly
36, 24.761, 146.370

Monochromacy



Original Color
37, 54.087, 127.226

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 23.702, 127.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 54.087, 127.226 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(49, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 99, 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(49, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 99, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 54.087, 127.226 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(49, 99, 0) }
```

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

```
.border{ border-color:rgb(49, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 99, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 99, 0); box-shadow:4px  
4px 4px 4px rgb(49, 99, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 54.087, 127.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 99, 0) }
```

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

```
.background{ background-color: rgb(49, 99,  
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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