

Converting Colors

CIELCh(37, 58.225, 128.583)

Have a look what the booklet for
CIELCh(37, 58.225, 128.583)
contains.

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Color

CIELCh(37, 56.043, 130.063)

Conversions

Conversions Part 1

Format	Color
Hex	286400
RGB	40, 100, 0
RGB Percent	16%, 39%, 0%
CMY	0.8437, 0.6083, 1.0000
CMYK	0.60, 0.00, 1.00, 0.61
HSL	96°, 100%, 20%
HSV	96°, 100%, 39%
XYZ	5.4137, 9.5379, 1.5515
YIQ	70.6600, -3.6600, -43.8200

Conversions

Conversions Part 2

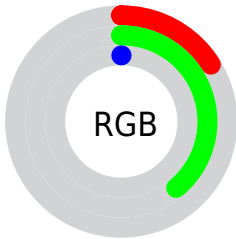
Format	Color
RYB	0, 100, 60
Decimal	2647040
CIELab	37.00, -36.07, 42.89
CIELCh	37, 56.043, 130.063
Yxy	9.5379, 0.3280, 0.5779
Android (android.graphics.Color)	4280837120 (0xFF286400)
YUV	70.6600, -34.8354, -26.8888
Hunter-Lab	30.8835, -22.7564, 18.6398

Details

The CIELCh color **37, 56.043, 130.063** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 61.116, 315.066**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 56.157, 130.060**, and **18, 37.343, 138.603** is the 20% darker color. If you saturate the color by 10%, you get **37, 56.007, 130.086**, and if you desaturate by 10%, it is **37, 52.614, 129.849**.

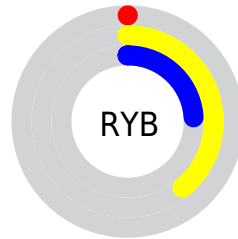
Distribution



Red (16%)

Green (39%)

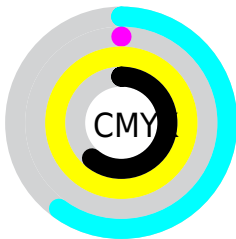
Blue (0%)



Red (0%)

Yellow (39%)

Blue (24%)

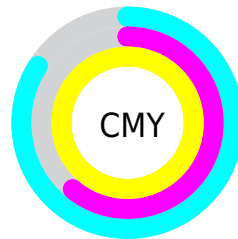


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (84%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 56.043, 130.063 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, 56.043, 130.063 by changing the saturation by 10% instead.


 37, 56.043,
130.063


 37, 56.043,
130.063

 100, 56.043,
130.063

 27, 56.043,
130.063

 57, 56.043,
130.063


 17, 56.043,
130.063


 67, 56.043,
130.063

 7, 56.043, 130.063

 77, 56.043,
130.063

 0, 56.043, 130.063

 87, 56.043,
130.063

 97, 56.043,
130.063

■ 37, 56.043,
130.063

■ 37, 56.043,
130.063

■ 37, 56.007,
130.086

■ 37, 52.614,
129.849

■ 38, 48.765,
129.592

■ 38, 43.964,
129.654

■ 38, 38.459,
129.929

■ 39, 32.475,
130.325

■ 39, 26.183,
130.778

■ 40, 19.710,
131.245

■ 41, 13.147,

131.701

■ 42, 6.560, 132.135

Harmonies

Complementary

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



37, 56.043, 130.063



15, 61.116, 315.066

Rectangle

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



37, 56.043, 130.063



37, 56.043, 180.063



37, 56.043, 310.063



37, 56.043, 0.063

Sweetspot

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



37, 56.007, 130.086



52, 24.482, 131.204



29, 41.350, 71.418



26, 16.820, 131.064



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 56.007, 130.086



48, 67.926, 130.541



36, 57.908, 137.637



21, 3.745, 132.180



42, 61.955, 130.339



85, 108.528, 131.248

Inverse Universe

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



15, 61.116, 315.066



21, 73.925, 314.754



22, 53.961, 332.384



19, 3.783, 312.849



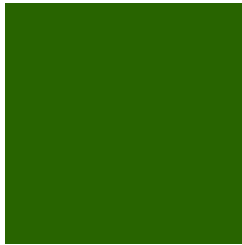
18, 67.506, 314.893



42, 117.637, 314.250

Previews

White Background



This preview shows how the CIELCh color 37, 56.043, 130.063 looks on a white background.

Color Contrast Check

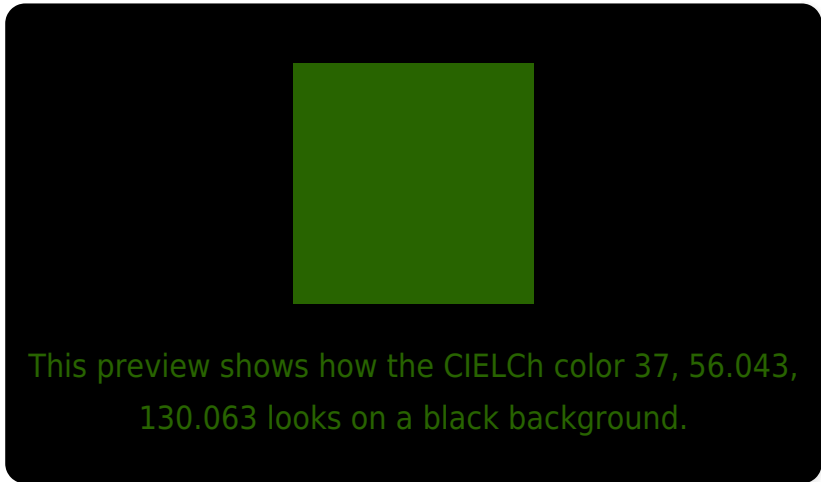
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.043, 130.063

Background



This preview shows how black text looks on a background with the CIELCh color 37, 56.043, 130.063.



This preview shows how white text looks on a background with the CIELCh color 37, 56.043, 130.063.

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, 56.043, 130.063

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 38.162, 82.694



Tritanopia
37, 13.829, 216.216

Trichromacy



Original Color
37, 56.043, 130.063

Protanomaly
36, 46.736, 112.021

Deuteranomaly
36, 41.192, 106.950

Tritanomaly
37, 27.356, 150.411

Monochromacy



Original Color
37, 56.043, 130.063

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 24.983, 130.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 56.043, 130.063 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(40, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 100, 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(40, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 100, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 56.043, 130.063 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(40, 100, 0) }
```

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

```
.border{ border-color:rgb(40, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 100, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 56.043, 130.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 100, 0) }
```

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

```
.background{ background-color: rgb(40, 100,  
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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