

Converting Colors

CIELCh(37, 83.841, 114.085)

Have a look what the booklet for
CIELCh(37, 83.841, 114.085)
contains.

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Color

CIELCh(37, 53.580, 126.196)

Conversions

Conversions Part 1

Format	Color
Hex	336200
RGB	51, 98, 0
RGB Percent	20%, 38%, 0%
CMY	0.7983, 0.6138, 1.0000
CMYK	0.48, 0.00, 1.00, 0.61
HSL	89°, 100%, 19%
HSV	89°, 100%, 39%
XYZ	5.7963, 9.5379, 1.5184
YIQ	72.7750, 3.4460, -40.4420

Conversions

Conversions Part 2

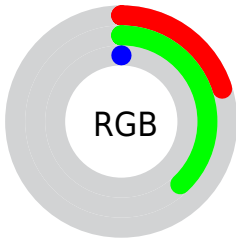
Format	Color
RYB	0, 98, 47
Decimal	3367424
CIELab	37.00, -31.64, 43.24
CIELCh	37, 53.580, 126.196
Yxy	9.5379, 0.3439, 0.5660
Android (android.graphics.Color)	4281557504 (0xFF336200)
YUV	72.7750, -35.8781, -19.0967
Hunter-Lab	30.8835, -20.5451, 18.7034

Details

The CIELCh color **37, 53.580, 126.196** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **13, 62.014, 312.082**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 52.967, 126.429**, and **17, 36.761, 138.832** is the 20% darker color. If you saturate the color by 10%, you get **37, 53.423, 126.285**, and if you desaturate by 10%, it is **37, 50.156, 125.916**.

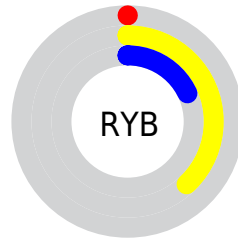
Distribution



Red (20%)

Green (38%)

Blue (0%)



Red (0%)

Yellow (38%)

Blue (18%)

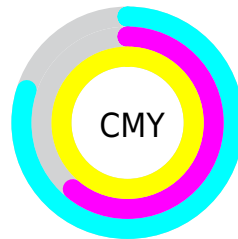


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (80%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 53.580, 126.196 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, 53.580, 126.196 by changing the saturation by 10% instead.

 37, 53.580,
126.196


 37, 53.580,
126.196

 100, 53.580,
126.196

 27, 53.580,
126.196

 57, 53.580,
126.196


 17, 53.580,
126.196


 67, 53.580,
126.196

 7, 53.580, 126.196

 77, 53.580,
126.196

 0, 53.580, 126.196

 87, 53.580,
126.196

 97, 53.580,
126.196

■ 37, 53.580,
126.196

■ 37, 53.580,
126.196

■ 37, 53.423,
126.285

■ 37, 50.156,
125.916

■ 38, 46.509,
125.559

■ 38, 41.948,
125.537

■ 38, 36.713,
125.744

■ 39, 31.019,
126.091

■ 39, 25.029,
126.513

■ 40, 18.860,
126.967

■ 40, 12.595,

127.426

■ 41, 6.292, 127.874

Harmonies

Complementary

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



37, 53.580, 126.196



13, 62.014, 312.082

Rectangle

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



37, 53.580, 126.196



37, 53.580, 176.196



37, 53.580, 306.196



37, 53.580, 356.196

Sweetspot

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



37, 53.423, 126.285



51, 23.317, 126.927



25, 41.564, 59.688



25, 15.753, 126.797



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, 53.423, 126.285



48, 64.471, 126.765



36, 59.394, 135.728



20, 3.481, 127.924



42, 58.712, 126.541



85, 103.609, 127.555

Inverse Universe

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



13, 62.014, 312.082



18, 74.745, 311.754



21, 57.618, 326.997



18, 3.527, 308.647



15, 68.109, 311.907



38, 119.867, 311.216

Previews

White Background



This preview shows how the CIELCh color 37, 53.580, 126.196 looks on a white background.

Color Contrast Check

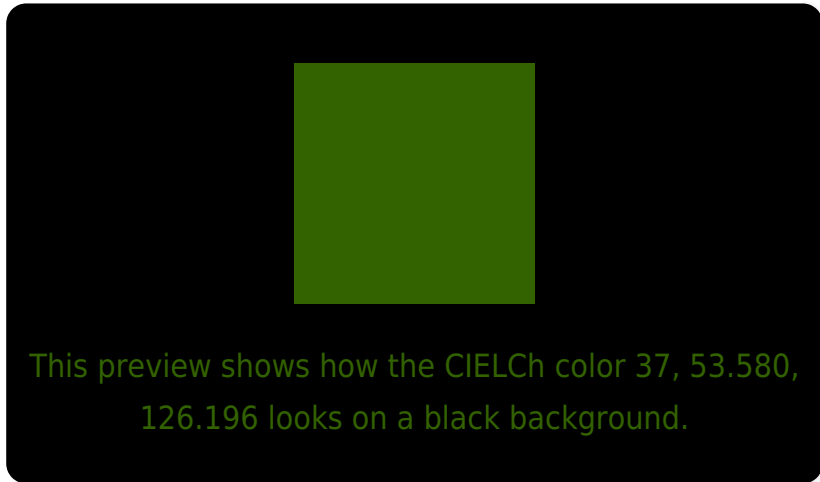
Large Text (above 18pt) WCAG AA ✓ Pass

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

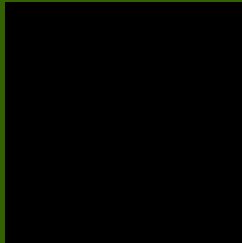
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 53.580, 126.196

Background



This preview shows how black text looks on a background with the CIELCh color 37, 53.580, 126.196.



This preview shows how white text looks on a background with the CIELCh color 37, 53.580, 126.196.

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, 53.271, 126.344

Protanopia

37, 44.652, 95.569

Deuteranopia

37, 38.564, 82.838



Tritanopia
37, 11.180, 221.102

Trichromacy



Original Color
37, 53.271, 126.344

Protanomaly
36, 46.005, 109.107

Deuteranomaly
36, 40.702, 103.461

Tritanomaly
37, 24.268, 145.098

Monochromacy



Original Color
37, 53.271, 126.344

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 23.532, 126.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 53.580, 126.196 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(51, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 98, 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(51, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 98, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 53.580, 126.196 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(51, 98, 0) }
```

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

```
.border{ border-color:rgb(51, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 98, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 98, 0); box-shadow:4px  
4px 4px 4px rgb(51, 98, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 53.580, 126.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 98, 0) }
```

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

```
.background{ background-color: rgb(51, 98,  
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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