

Converting Colors

CIELCh(43, 37.310, 160.577)

Have a look what the booklet for
CIELCh(43, 37.310, 160.577)
contains.

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Color

CIELCh(43, 37.536, 160.432)

Conversions

Conversions Part 1

Format	Color
Hex	167450
RGB	22, 116, 80
RGB Percent	9%, 45%, 31%
CMY	0.9120, 0.5465, 0.6876
CMYK	0.81, 0.00, 0.31, 0.55
HSL	157°, 67%, 27%
HSV	157°, 81%, 45%
XYZ	7.9803, 13.1578, 9.6443
YIQ	83.7900, -44.4680, -31.1240

Conversions

Conversions Part 2

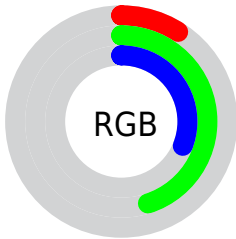
Format	Color
R_{YB}	22, 80, 116
Decimal	1471568
CIE _{Lab}	43.00, -35.37, 12.57
CIE _{LCh}	43, 37.536, 160.432
Yxy	13.1578, 0.2592, 0.4274
Android (android.graphics.Color)	4279661648 (0xFF167450)
YUV	83.7900, -1.8685, -54.1898
Hunter-Lab	36.2736, -24.2085, 9.6278

Details

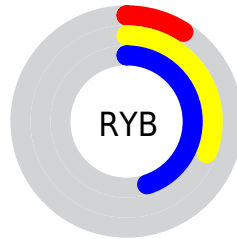
The CIELCh color **43, 37.536, 160.432** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 42.213, 3.260**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 37.840, 160.209**, and **24, 31.431, 153.252** is the 20% darker color. If you saturate the color by 10%, you get **43, 40.459, 158.513**, and if you desaturate by 10%, it is **43, 34.115, 162.159**.

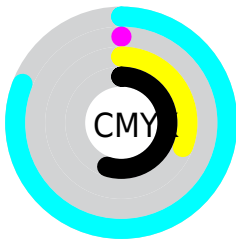
Distribution



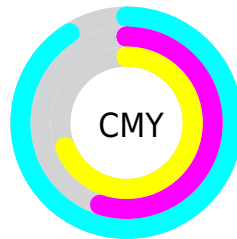
- Red (9%)
- Green (45%)
- Blue (31%)



- Red (9%)
- Yellow (31%)
- Blue (45%)



- Cyan (81%)
- Magenta (0%)
- Yellow (31%)
- Black (55%)





- Cyan (91%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 37.536, 160.432 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 43, 37.536, 160.432 by changing the saturation by 10% instead.


 43, 37.536,
160.432


 43, 37.536,
160.432


 100, 37.536,
160.432


 33, 37.536,
160.432

 63, 37.536,
160.432


 23, 37.536,
160.432

 73, 37.536,
160.432

 13, 37.536,
160.432

 83, 37.536,
160.432

 3, 37.536, 160.432

 93, 37.536,
160.432

 0, 37.536, 160.432

 43, 37.536,

 43, 37.536,

160.432

160.432

■ 43, 40.459,
158.513

■ 43, 34.115,
162.159

■ 43, 42.962,
156.705

■ 44, 30.212,
163.705

■ 44, 25.875,
165.087

■ 45, 21.173,
166.328

■ 46, 16.189,
167.450

■ 47, 11.002,
168.474

■ 48, 5.689, 169.429

■ 49, 0.316, 171.182

Harmonies

Complementary

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



43, 37.536, 160.432



26, 42.213, 3.260

Rectangle

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



43, 37.536, 160.432



43, 37.536, 210.432



43, 37.536, 340.432



43, 37.536, 30.432

Sweetspot

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



43, 37.536, 160.432



59, 15.854, 168.072



43, 55.012, 129.585



31, 10.946, 167.778



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



43, 37.536, 160.432



55, 51.641, 156.680



41, 23.632, 210.905



24, 3.059, 169.575



45, 44.863, 156.556



87, 77.940, 155.206

Inverse Universe

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



26, 42.213, 3.260



32, 56.505, 10.755



26, 45.039, 36.722



23, 3.116, 351.010



25, 49.205, 10.963



53, 83.986, 14.137

Previews

White Background



This preview shows how the CIELCh color 43, 37.536, 160.432 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 × Fail

Black Background



This preview shows how the CIE LCh color 43, 37.536, 160.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 37.536, 160.432

Background



This preview shows how black text looks on a background with the CIELCh color 43, 37.536, 160.432.



This preview shows how white text looks on a background with the CIELCh color 43, 37.536, 160.432.

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

43, 37.650, 160.537

Protanopia

43, 17.104, 95.313

Deuteranopia

43, 11.977, 60.498



Tritanopia
43, 21.293, 212.094

Trichromacy



Original Color
43, 37.650, 160.537

Protanomaly
42, 22.130, 140.169

Deuteranomaly
42, 16.016, 142.034

Tritanomaly
43, 25.306, 185.497

Monochromacy



Original Color
43, 37.650, 160.537

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 16.318, 165.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 37.536, 160.432 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(22, 116, 80)` looks like.

```
.text, #text, p{  
    color:rgb(22, 116, 80)  
}
```

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(22, 116, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 116, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 37.536, 160.432 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(22, 116, 80) }
```

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

```
.border{ border-color:rgb(22, 116, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 116, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 116, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 116, 80);  
box-shadow:4px 4px 4px 4px rgb(22, 116,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 37.536, 160.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 116, 80) }
```

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

```
.background{ background-color: rgb(22, 116,  
80) }
```

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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