

Converting Colors

CIELCh(45, 37.834, 163.237)

Have a look what the booklet for
CIELCh(45, 37.834, 163.237)
contains.

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Color

CIELCh(45, 37.883, 163.203)

Conversions

Conversions Part 1	
Format	Color
Hex	137957
RGB	19, 121, 87
RGB Percent	7%, 47%, 34%
CMY	0.9244, 0.5249, 0.6583
CMYK	0.84, 0.00, 0.28, 0.52
HSL	160°, 73%, 28%
HSV	160°, 84%, 48%
XYZ	8.8548, 14.5417, 11.3859
YIQ	86.6260, -49.8780, -32.1980

Conversions

Conversions Part 2

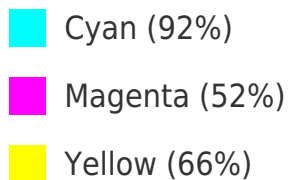
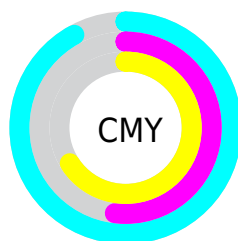
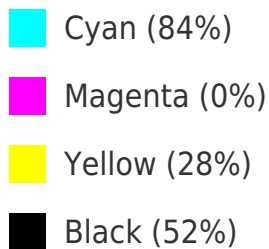
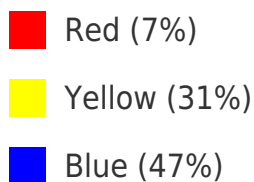
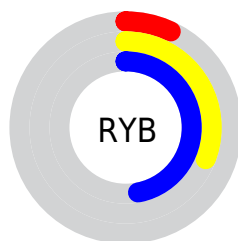
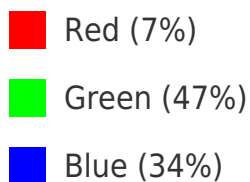
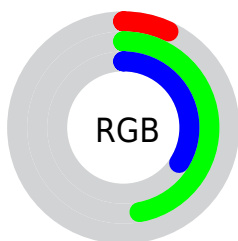
Format	Color
RYB	19, 80, 121
Decimal	1276247
CIELab	45.00, -36.27, 10.95
CIELCh	45, 37.883, 163.203
Yxy	14.5417, 0.2546, 0.4181
Android (android.graphics.Color)	4279466327 (0xFF137957)
YUV	86.6260, 0.1844, -59.3080
Hunter-Lab	38.1336, -25.2853, 8.9908

Details

The CIELCh color **45, 37.883, 163.203** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 44.838, 8.971**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 37.714, 163.339**, and **26, 30.527, 156.935** is the 20% darker color. If you saturate the color by 10%, you get **45, 40.431, 161.264**, and if you desaturate by 10%, it is **45, 34.837, 164.964**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.883, 163.203 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 45, 37.883, 163.203 by changing the saturation by 10% instead.


 45, 37.883,
163.203


 45, 37.883,
163.203


 100, 37.883,
163.203


 35, 37.883,
163.203

 65, 37.883,
163.203


 25, 37.883,
163.203

 75, 37.883,
163.203

 15, 37.883,
163.203

 85, 37.883,
163.203

 5, 37.883, 163.203

 95, 37.883,
163.203


 0, 37.883, 163.203

 45, 37.883,


 45, 37.883,


163.203

163.203

 45, 40.431,
161.264

 45, 34.837,
164.964


 45, 41.864,
160.157

 46, 31.271,
166.545

 46, 27.221,
167.963

 47, 22.748,
169.240

 48, 17.928,
170.398

 48, 12.847,
171.459

 49, 7.583, 172.446

 50, 2.210, 173.450

Harmonies

Complementary

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



45, 37.883, 163.203



26, 44.838, 8.971

Rectangle

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



45, 37.883, 163.203



45, 37.883, 213.203



45, 37.883, 343.203



45, 37.883, 33.203

Sweetspot

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



45, 37.883, 163.202



62, 16.548, 171.302



45, 59.529, 131.043



32, 11.187, 171.009



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 37.883, 163.202



58, 51.300, 159.560



41, 24.083, 219.988



25, 3.066, 172.929



46, 42.858, 160.081



88, 73.707, 158.802

Inverse Universe

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



26, 44.838, 8.971



33, 60.274, 17.259



28, 47.875, 39.805



24, 3.135, 354.405



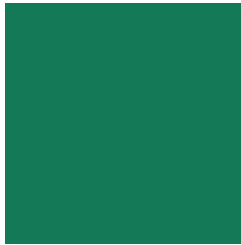
25, 50.553, 15.940



53, 86.200, 19.189

Previews

White Background



This preview shows how the CIELCh color 45, 37.883, 163.203 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 CIELCh color 45, 37.883, 163.203 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 45, 37.883, 163.203

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.883, 163.203.



This preview shows how white text looks on a background with the CIELCh color 45, 37.883, 163.203.

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

45, 37.883, 163.203

Protanopia

45, 15.717, 96.404

Deuteranopia

45, 10.684, 57.685



Tritanopia

45, 22.417, 212.789

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.883, 163.203 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(19, 121, 87)` looks like.

```
.text, #text, p{  
    color:rgb(19, 121, 87)  
}
```

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(19, 121, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 121, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.883, 163.203 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(19, 121, 87) }
```

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

```
.border{ border-color:rgb(19, 121, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 121, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 121, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 121, 87);  
box-shadow:4px 4px 4px 4px rgb(19, 121,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.883, 163.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 121, 87) }
```

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

```
.background{ background-color: rgb(19, 121,  
87) }
```

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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