

Converting Colors

CIELCh(37, 26.719, 180.464)

Have a look what the booklet for
CIELCh(37, 26.719, 180.464)
contains.

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Color

CIELCh(37, 26.462, 181.116)

Conversions

Conversions Part 1

Format	Color
Hex	0C6257
RGB	12, 98, 87
RGB Percent	5%, 38%, 34%
CMY	0.9516, 0.6150, 0.6582
CMYK	0.87, 0.00, 0.11, 0.62
HSL	172°, 78%, 22%
HSV	172°, 87%, 38%
XYZ	6.2665, 9.5379, 10.5619
YIQ	71.0320, -47.7250, -21.6530

Conversions

Conversions Part 2

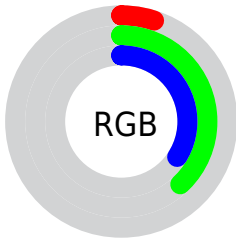
Format	Color
R_{YB}	12, 58, 98
Decimal	811607
CIE Lab	37.00, -26.46, -0.52
CIE LCh	37, 26.462, 181.116
Yxy	9.5379, 0.2377, 0.3617
Android (android.graphics.Color)	4279001687 (0xFF0C6257)
YUV	71.0320, 7.8722, -51.7711
Hunter-Lab	30.8835, -17.8271, 1.3418

Details

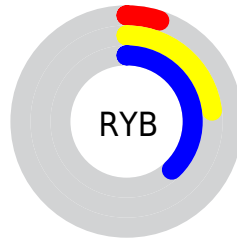
The CIELCh color **37, 26.462, 181.116** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 41.529, 26.150**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 26.376, 181.797**, and **18, 18.724, 176.349** is the 20% darker color. If you saturate the color by 10%, you get **37, 27.686, 179.962**, and if you desaturate by 10%, it is **37, 24.929, 182.226**.

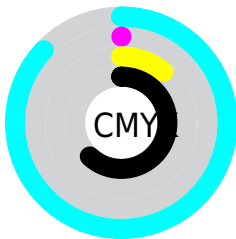
Distribution



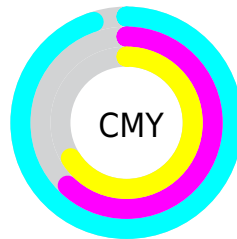
- Red (5%)
- Green (38%)
- Blue (34%)



- Red (5%)
- Yellow (23%)
- Blue (38%)



- Cyan (87%)
- Magenta (0%)
- Yellow (11%)
- Black (62%)





- Cyan (95%)
- Magenta (62%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 26.462, 181.116 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, 26.462, 181.116 by changing the saturation by 10% instead.


 37, 26.462,
181.116


 37, 26.462,
181.116

 100, 26.462,
181.116


 27, 26.462,
181.116

 57, 26.462,
181.116


 17, 26.462,
181.116


 67, 26.462,
181.116

 7, 26.462, 181.116

 77, 26.462,
181.116

 0, 26.462, 181.116

 87, 26.462,
181.116

 97, 26.462,
181.116

■ 37, 26.462,
181.116

■ 37, 26.462,
181.116

■ 37, 27.686,
179.962

■ 37, 24.929,
182.226

■ 37, 28.004,
179.680

■ 37, 22.936,
183.249

■ 38, 20.492,
184.200

■ 38, 17.628,
185.096

■ 39, 14.394,
185.950

■ 39, 10.847,
186.774

■ 40, 7.048, 187.580

■ 41, 3.055, 188.409

Harmonies

Complementary

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



37, 26.462, 181.116



20, 41.529, 26.150

Rectangle

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



37, 26.462, 181.116



37, 26.462, 231.116



37, 26.462, 1.116



37, 26.462, 51.116

Sweetspot

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



37, 26.462, 181.115



51, 12.770, 186.827



36, 54.520, 135.424



25, 8.532, 186.642



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, 26.462, 181.115



48, 33.864, 179.246



27, 23.772, 258.961



20, 2.278, 188.283



42, 30.842, 179.447



85, 54.411, 178.518

Inverse Universe

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



20, 41.529, 26.150



26, 57.267, 32.613



25, 37.753, 53.452



18, 2.370, 9.501



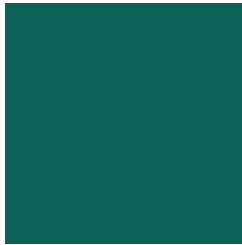
22, 51.729, 31.613



50, 93.827, 35.105

Previews

White Background



This preview shows how the CIELCh color 37, 26.462, 181.116 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



This preview shows how the CIELCh color 37, 26.462, 181.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

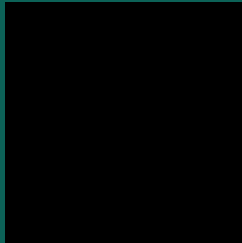
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 26.462, 181.116

Background



This preview shows how black text looks on a background with the CIELCh color 37, 26.462, 181.116.



This preview shows how white text looks on a background with the CIELCh color 37, 26.462, 181.116.

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, 26.462, 181.116

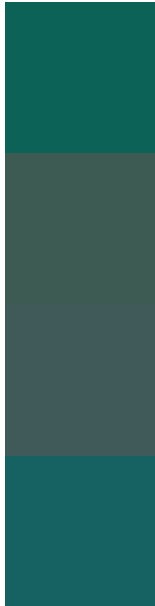
Protanopia
37, 3.910, 89.949

Deuteranopia
37, 5.661, 339.341



Tritanopia
37, 20.822, 210.899

Trichromacy



Original Color
37, 26.462, 181.116

Protanomaly
36, 12.775, 174.779

Deuteranomaly
36, 9.829, 198.113

Tritanomaly
37, 22.415, 198.264

Monochromacy



Original Color
37, 26.462, 181.116

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 12.566, 185.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 26.462, 181.116 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(12, 98, 87)` looks like.

```
.text, #text, p{  
    color:rgb(12, 98, 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(12, 98, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 98, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 26.462, 181.116 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(12, 98, 87) }
```

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

```
.border{ border-color:rgb(12, 98, 87) }
```

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

Here you see how a box with a 4 pixel rgb(12, 98, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 98, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 98, 87);  
box-shadow:4px 4px 4px 4px rgb(12, 98, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 26.462, 181.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 98, 87) }
```

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

```
.background{ background-color: rgb(12, 98,  
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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