

Converting Colors

CIELCh(42, 26.633, 188.259)

Have a look what the booklet for
CIELCh(42, 26.633, 188.259)
contains.

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Color

CIELCh(42, 26.636, 188.488)

Conversions

Conversions Part 1

Format	Color
Hex	156F69
RGB	21, 111, 105
RGB Percent	8%, 44%, 41%
CMY	0.9189, 0.5654, 0.5890
CMYK	0.81, 0.00, 0.05, 0.57
HSL	176°, 69%, 26%
HSV	176°, 81%, 43%
XYZ	8.5068, 12.5000, 15.2796
YIQ	83.4060, -51.7140, -20.9460

Conversions

Conversions Part 2

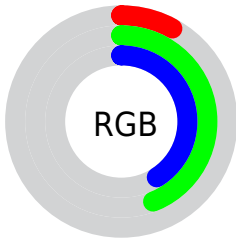
Format	Color
R_{YB}	21, 68, 111
Decimal	1404777
CIE _{Lab}	42.00, -26.34, -3.93
CIE _{LCh}	42, 26.636, 188.488
Yxy	12.5000, 0.2344, 0.3445
Android (android.graphics.Color)	4279594857 (0xFF156F69)
YUV	83.4060, 10.6458, -54.7301
Hunter-Lab	35.3553, -18.9230, -0.8748

Details

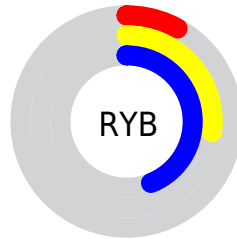
The CIELCh color **42, 26.636, 188.488** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 44.303, 28.587**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.556, 188.525**, and **23, 19.592, 186.252** is the 20% darker color. If you saturate the color by 10%, you get **42, 27.814, 187.752**, and if you desaturate by 10%, it is **42, 24.940, 189.185**.

Distribution



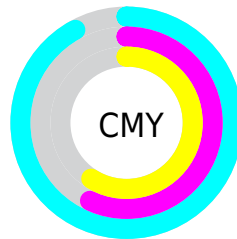
- Red (8%)
- Green (44%)
- Blue (41%)



- Red (8%)
- Yellow (27%)
- Blue (44%)



- Cyan (81%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (92%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 26.636, 188.488 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 42, 26.636, 188.488 by changing the saturation by 10% instead.

 42, 26.636,
188.488

 42, 26.636,
188.488

 100, 26.636,
188.488

 32, 26.636,
188.488

 62, 26.636,
188.488

 22, 26.636,
188.488

 72, 26.636,
188.488

 12, 26.636,
188.488

 82, 26.636,
188.488

 2, 26.636, 188.488

 92, 26.636,
188.488

 0, 26.636, 188.488

 42, 26.636,

 42, 26.636,

188.488

188.488

■ 42, 27.814,
187.752

■ 42, 24.940,
189.185

■ 42, 28.647,
187.115

■ 43, 22.718,
189.859

■ 43, 19.989,
190.520

■ 44, 16.795,
191.177

■ 44, 13.193,
191.837

■ 45, 9.249, 192.506

■ 46, 5.031, 193.200

■ 47, 0.601, 194.383

■ 48, 3.980, 14.379

Harmonies

Complementary

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



42, 26.636, 188.488



24, 44.303, 28.587

Rectangle

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



42, 26.636, 188.488



42, 26.636, 238.488



42, 26.636, 8.488



42, 26.636, 58.488

Sweetspot

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



42, 26.636, 188.487



57, 12.697, 192.285



41, 58.102, 136.590



29, 8.595, 192.105



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 26.636, 188.487



53, 34.253, 187.045



29, 27.360, 266.396



23, 2.534, 193.372



45, 30.310, 187.041



88, 51.958, 186.539

Inverse Universe

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



24, 44.303, 28.587



29, 63.932, 35.956



31, 37.831, 59.474



22, 2.656, 14.465



24, 56.232, 35.121



52, 99.547, 38.039

Previews

White Background



This preview shows how the CIE LCh color 42, 26.636, 188.488 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 42, 26.636, 188.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

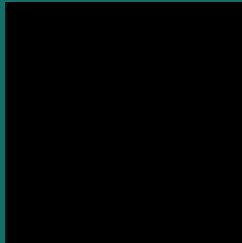
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.636, 188.488

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.636, 188.488.



This preview shows how white text looks on a background with the CIELCh color 42, 26.636, 188.488.

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


42, 26.636, 188.488

Protanopia

42, 1.389, 45.024

Deuteranopia

42, 7.993, 315.092



Tritanopia
42, 23.059, 210.778

Trichromacy



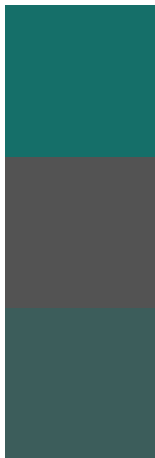
Original Color
42, 26.636, 188.488

Protanomaly
41, 12.126, 189.259

Deuteranomaly
41, 10.647, 218.426

Tritanomaly
42, 24.161, 201.082

Monochromacy



Original Color
42, 26.636, 188.488

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 12.757, 192.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.636, 188.488 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(21, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(21, 111, 105)  
}
```

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(21, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 111, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.636, 188.488 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(21, 111, 105) }
```

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

```
.border{ border-color:rgb(21, 111, 105) }
```

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

Here you see how a box with a 4 pixel rgb(21, 111, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 111, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 111, 105);  
box-shadow:4px 4px 4px 4px rgb(21, 111,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.636, 188.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 111, 105) }
```

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

```
.background{ background-color: rgb(21, 111,  
105) }
```

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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