

Converting Colors

CIELCh(42, 25.585, 187.830)

Have a look what the booklet for
CIELCh(42, 25.585, 187.830)
contains.

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Color

CIELCh(42, 25.369, 188.203)

Conversions

Conversions Part 1

Format	Color
Hex	1D6E68
RGB	29, 110, 104
RGB Percent	11%, 43%, 41%
CMY	0.8844, 0.5673, 0.5908
CMYK	0.73, 0.00, 0.05, 0.57
HSL	176°, 58%, 27%
HSV	176°, 73%, 43%
XYZ	8.6485, 12.5000, 15.1425
YIQ	85.0970, -46.3500, -19.0380

Conversions

Conversions Part 2

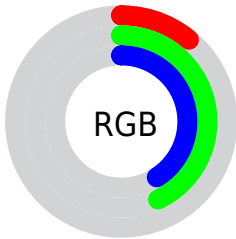
Format	Color
R_{YB}	29, 71, 110
Decimal	1928808
CIE _{Lab}	42.00, -25.11, -3.62
CIE _{LCh}	42, 25.369, 188.203
Yxy	12.5000, 0.2383, 0.3444
Android (android.graphics.Color)	4280118888 (0xFF1D6E68)
YUV	85.0970, 9.3192, -49.1971
Hunter-Lab	35.3553, -18.2077, -0.6448

Details

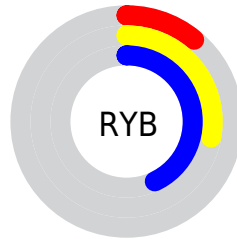
The CIELCh color **42, 25.369, 188.203** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 39.643, 25.186**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 25.318, 188.194**, and **23, 19.407, 186.128** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.987, 187.442**, and if you desaturate by 10%, it is **42, 23.227, 188.927**.

Distribution



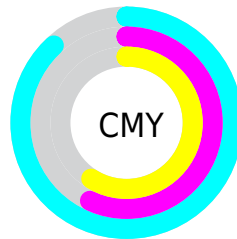
- Red (11%)
- Green (43%)
- Blue (41%)



- Red (11%)
- Yellow (28%)
- Blue (43%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)





- Cyan (88%)
- Magenta (57%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 25.369, 188.203 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 42, 25.369, 188.203 by changing the saturation by 10% instead.


 42, 25.369,
188.203


 42, 25.369,
188.203


 100, 25.369,
188.203


 32, 25.369,
188.203

 62, 25.369,
188.203


 22, 25.369,
188.203

 72, 25.369,
188.203

 12, 25.369,
188.203

 82, 25.369,
188.203

 2, 25.369, 188.203

 92, 25.369,
188.203

 0, 25.369, 188.203

 42, 25.369,

 42, 25.369,

188.203

■ 42, 26.987,
187.442

■ 42, 28.109,
186.636

■ 42, 28.776,
186.104

188.203

■ 42, 23.227,
188.927

■ 43, 20.576,
189.629

■ 43, 17.455,
190.320

■ 44, 13.919,
191.006

■ 45, 10.034,
191.696

■ 45, 5.865, 192.401

■ 46, 1.479, 193.260

■ 47, 3.066, 13.591

■ 48, 7.718, 14.341

Harmonies

Complementary

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



42, 25.369, 188.203



25, 39.643, 25.186

Rectangle

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



42, 25.369, 188.203



42, 25.369, 238.203



42, 25.369, 8.203



42, 25.369, 58.203

Sweetspot

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



42, 25.369, 188.202



57, 11.733, 191.745



41, 53.749, 136.923



29, 7.788, 191.612



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, 25.369, 188.202



53, 33.487, 186.879



31, 24.369, 261.080



23, 2.538, 192.719



45, 30.543, 186.017



88, 52.386, 185.465

Inverse Universe

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



25, 39.643, 25.186



30, 58.290, 31.605



32, 33.667, 58.870



22, 2.659, 13.838



24, 56.033, 34.798



52, 99.178, 37.748

Previews

White Background



This preview shows how the CIELCh color 42, 25.369, 188.203 looks on a white background.

Color Contrast Check

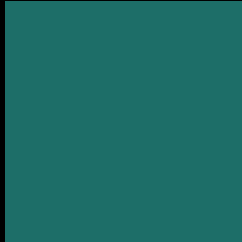
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 25.369, 188.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

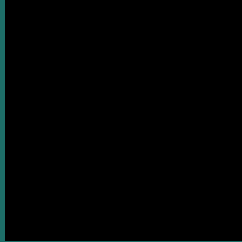
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 25.369, 188.203

Background



This preview shows how black text looks on a background with the CIELCh color 42, 25.369, 188.203.



This preview shows how white text looks on a background with the CIELCh color 42, 25.369, 188.203.

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

42, 25.369, 188.203

Protanopia

42, 1.389, 45.024

Deuteranopia

42, 7.448, 316.983



Tritanopia
42, 21.906, 211.645

Trichromacy



Original Color
42, 25.369, 188.203

Protanomaly
41, 10.602, 191.513

Deuteranomaly
41, 9.535, 217.052

Tritanomaly
42, 22.890, 201.449

Monochromacy



Original Color
42, 25.369, 188.203

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 11.392, 191.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 25.369, 188.203 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(29, 110, 104)` looks like.

```
.text, #text, p{  
    color:rgb(29, 110, 104)  
}
```

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(29, 110, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 110, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 25.369, 188.203 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(29, 110, 104) }
```

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

```
.border{ border-color:rgb(29, 110, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 110, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 110, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 110, 104);  
box-shadow:4px 4px 4px 4px rgb(29, 110,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 25.369, 188.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 110, 104) }
```

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

```
.background{ background-color: rgb(29, 110,  
104) }
```

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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