

Converting Colors

CIELCh(42, 6.642, 172.311)

Have a look what the booklet for
CIELCh(42, 6.642, 172.311) contains.

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Color

CIELCh(42, 6.513, 170.980)

Conversions

Conversions Part 1

Format	Color
Hex	586661
RGB	88, 102, 97
RGB Percent	35%, 40%, 38%
CMY	0.6540, 0.5991, 0.6187
CMYK	0.14, 0.00, 0.05, 0.60
HSL	159°, 7%, 37%
HSV	159°, 14%, 40%
XYZ	10.9872, 12.5000, 13.1977
YIQ	97.2440, -6.7390, -4.5230

Conversions

Conversions Part 2

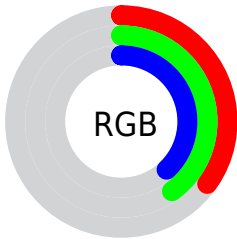
Format	Color
R_{YB}	88, 97, 102
Decimal	5793377
CIE Lab	42.00, -6.43, 1.02
CIE LCh	42, 6.513, 170.980
Yxy	12.5000, 0.2995, 0.3407
Android (android.graphics.Color)	4283983457 (0xFF586661)
YUV	97.2440, -0.1203, -8.1070
Hunter-Lab	35.3553, -6.4004, 2.6165

Details

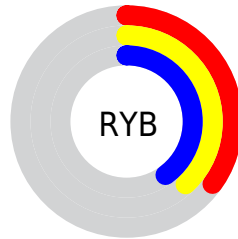
The CIELCh color **42, 6.513, 170.980** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 6.711, 353.298**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 6.401, 172.873**, and **22, 6.454, 173.540** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.183, 170.012**, and if you desaturate by 10%, it is **43, 1.764, 171.966**.

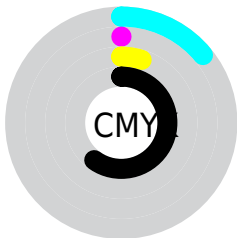
Distribution



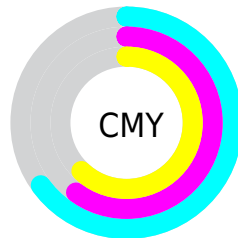
- Red (35%)
- Green (40%)
- Blue (38%)



- Red (35%)
- Yellow (38%)
- Blue (40%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (60%)



- Cyan (65%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.513, 170.980 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, 6.513, 170.980 by changing the saturation by 10% instead.

■ 42, 6.513, 170.980

■ 42, 6.513, 170.980

■ 100, 6.513,
170.980

■ 32, 6.513, 170.980

■ 62, 6.513, 170.980

■ 22, 6.513, 170.980

■ 72, 6.513, 170.980

■ 12, 6.513, 170.980

■ 82, 6.513, 170.980

■ 2, 6.513, 170.980

■ 92, 6.513, 170.980

■ 0, 6.513, 170.980

■ 42, 6.513, 170.980

■ 42, 6.513, 170.980

■ 41, 11.183,
170.012

■ 43, 1.764, 171.966

■ 40, 15.712,

■ 44, 3.014, 352.530

168.977

45, 7.779, 353.353

40, 20.032,
167.846

46, 12.499,
354.091

39, 24.073,
166.599

47, 17.149,
354.783

39, 27.767,
165.214

49, 21.712,
355.440

38, 31.059,
163.671

50, 26.177,
356.066

38, 33.914,
161.953

51, 30.538,
356.665

38, 36.355,
160.077

53, 34.792,
357.240

38, 37.852,
158.968

Harmonies

Complementary

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



42, 6.513, 170.980



39, 6.711, 353.298

Rectangle

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



42, 6.513, 170.980



42, 6.513, 220.980



42, 6.513, 350.980



42, 6.513, 40.980

Sweetspot

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



42, 6.514, 170.975



55, 2.361, 171.915



42, 9.252, 133.046



28, 1.665, 171.848



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 6.514, 170.975



54, 9.404, 170.715



42, 4.958, 212.111



21, 2.670, 171.424



42, 41.307, 158.643



85, 73.472, 157.182

Inverse Universe

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



39, 6.711, 353.298



49, 9.746, 353.576



39, 5.393, 32.172



19, 2.724, 352.827



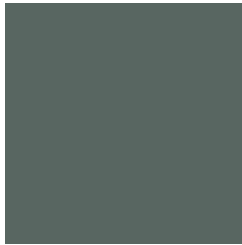
23, 47.195, 13.240



51, 82.739, 16.824

Previews

White Background



This preview shows how the CIELCh color 42, 6.513, 170.980 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 42, 6.513, 170.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

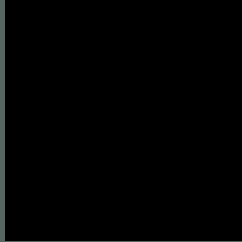
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 6.513, 170.980

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.513, 170.980.



This preview shows how white text looks on a background with the CIELCh color 42, 6.513, 170.980.

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

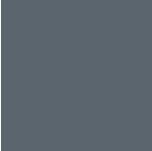
42, 6.513, 170.980

Protanopia

42, 2.711, 81.860

Deuteranopia

42, 5.782, 1.962



Tritanopia
42, 6.378, 248.519

Trichromacy



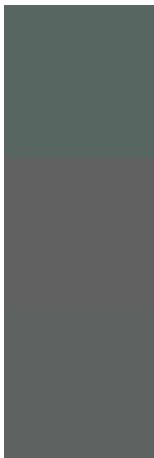
Original Color
42, 6.513, 170.980

Protanomaly
42, 2.727, 137.178

Deuteranomaly
42, 1.255, 19.305

Tritanomaly
42, 5.278, 226.290

Monochromacy



Original Color
42, 6.513, 170.980

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 2.410, 169.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.513, 170.980 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(88, 102, 97)` looks like.

```
.text, #text, p{  
    color:rgb(88, 102, 97)  
}
```

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(88, 102, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 102, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.513, 170.980 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(88, 102, 97) }
```

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

```
.border{ border-color:rgb(88, 102, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 102, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 102, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 102, 97);  
box-shadow:4px 4px 4px 4px rgb(88, 102,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.513, 170.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 102, 97) }
```

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

```
.background{ background-color: rgb(88, 102,  
97) }
```

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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