

Converting Colors

CIELCh(42, 7.769, 189.425)

Have a look what the booklet for
CIELCh(42, 7.769, 189.425) contains.

CIELCh(42, 7.680, 189.410)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 7.680, 189.410)

Conversions

Conversions Part 1

Format	Color
Hex	546765
RGB	84, 103, 101
RGB Percent	33%, 40%, 40%
CMY	0.6709, 0.5964, 0.6043
CMYK	0.18, 0.00, 0.02, 0.60
HSL	174°, 10%, 37%
HSV	174°, 18%, 40%
XYZ	10.8331, 12.5000, 14.1295
YIQ	97.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

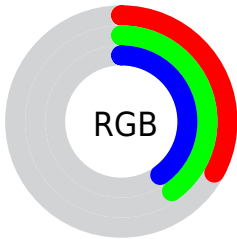
Format	Color
R_{YB}	84, 94, 103
Decimal	5531493
CIE _{Lab}	42.00, -7.58, -1.26
CIE _{LCh}	42, 7.680, 189.410
Yxy	12.5000, 0.2892, 0.3337
Android (android.graphics.Color)	4283721573 (0xFF546765)
YUV	97.0910, 1.9271, -11.4808
Hunter-Lab	35.3553, -7.1784, 1.0539

Details

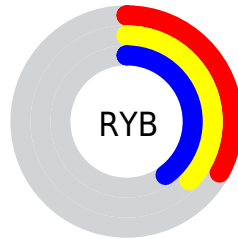
The CIELCh color **42, 7.680, 189.410** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 8.402, 12.256**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 7.584, 190.229**, and **22, 7.869, 188.082** is the 20% darker color. If you saturate the color by 10%, you get **41, 11.553, 188.640**, and if you desaturate by 10%, it is **43, 3.589, 190.190**.

Distribution



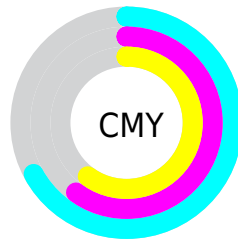
- Red (33%)
- Green (40%)
- Blue (40%)



- Red (33%)
- Yellow (37%)
- Blue (40%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (60%)



- Cyan (67%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.680, 189.410 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, 7.680, 189.410 by changing the saturation by 10% instead.

■ 42, 7.680, 189.410	■ 42, 7.680, 189.410
■ 100, 7.680, 189.410	■ 32, 7.680, 189.410
■ 62, 7.680, 189.410	■ 22, 7.680, 189.410
■ 72, 7.680, 189.410	■ 12, 7.680, 189.410
■ 82, 7.680, 189.410	■ 2, 7.680, 189.410
■ 92, 7.680, 189.410	■ 0, 7.680, 189.410

■ 42, 7.680, 189.410	■ 42, 7.680, 189.410
■ 41, 11.553, 188.640	■ 43, 3.589, 190.190
■ 41, 15.142,	■ 44, 0.664, 10.330

187.867

45, 5.027, 11.479

40, 18.387,
187.074

46, 9.457, 12.219

40, 21.229,
186.252

47, 13.918, 12.930

39, 23.620,
185.389

48, 18.382, 13.624

39, 25.530,
184.469

51, 27.235, 14.969

39, 26.956,
183.477

52, 31.597, 15.620

39, 28.082,
182.457

39, 28.256,
182.307

Harmonies

Complementary

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



42, 7.680, 189.410



38, 8.402, 12.256

Rectangle

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



42, 7.680, 189.410



42, 7.680, 239.410



42, 7.680, 9.410



42, 7.680, 59.410

Sweetspot

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



42, 7.681, 189.404



55, 3.145, 190.392



42, 13.532, 140.322



28, 2.068, 190.355



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, 7.681, 189.404



53, 11.164, 189.087



40, 6.313, 243.912



21, 2.362, 190.153



43, 30.566, 182.147



86, 53.378, 181.369

Inverse Universe

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



38, 8.402, 12.256



47, 12.482, 12.696



40, 6.826, 60.169



19, 2.464, 11.333



22, 53.295, 33.012



51, 95.947, 36.337

Previews

White Background



This preview shows how the CIELCh color 42, 7.680, 189.410 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, 7.680, 189.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

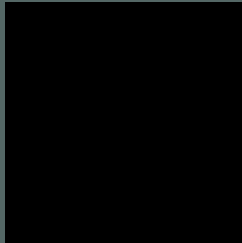
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 7.680, 189.410

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.680, 189.410.



This preview shows how white text looks on a background with the CIELCh color 42, 7.680, 189.410.

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

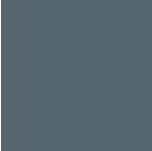
42, 7.680, 189.410

Protanopia

42, 1.255, 19.305

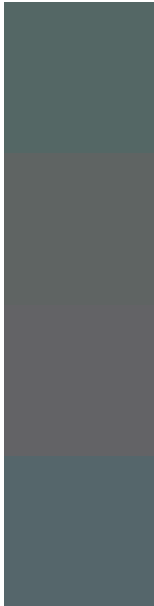
Deuteranopia

42, 5.860, 342.014



Tritanopia
42, 7.708, 237.826

Trichromacy



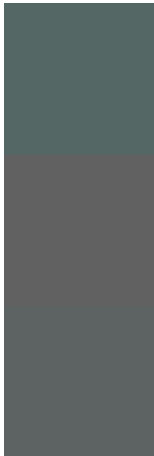
Original Color
42, 7.680, 189.410

Protanomaly
42, 2.152, 182.981

Deuteranomaly
42, 1.816, 290.468

Tritanomaly
42, 7.185, 223.698

Monochromacy



Original Color
42, 7.680, 189.410

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 2.945, 187.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.680, 189.410 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(84, 103, 101)` looks like.

```
.text, #text, p{  
    color:rgb(84, 103, 101)  
}
```

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(84, 103, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 103, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.680, 189.410 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(84, 103, 101) }
```

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

```
.border{ border-color:rgb(84, 103, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 103, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 103, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 103, 101);  
box-shadow:4px 4px 4px 4px rgb(84, 103,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.680, 189.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 103, 101) }
```

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

```
.background{ background-color: rgb(84, 103,  
101) }
```

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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