

Converting Colors

CIELCh(42, 36.269, 157.840)

Have a look what the booklet for
CIELCh(42, 36.269, 157.840)
contains.

CIELCh(42, 35.842, 158.431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 35.842, 158.431)

Conversions

Conversions Part 1

Format	Color
Hex	1F704C
RGB	31, 112, 76
RGB Percent	12%, 44%, 30%
CMY	0.8765, 0.5593, 0.7006
CMYK	0.72, 0.00, 0.32, 0.56
HSL	153°, 56%, 28%
HSV	153°, 72%, 44%
XYZ	7.7341, 12.5000, 8.9081
YIQ	83.6770, -36.7200, -28.3680

Conversions

Conversions Part 2

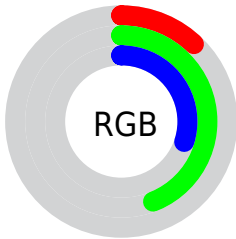
Format	Color
R_{YB}	31, 83, 112
Decimal	2060364
CIE _{Lab}	42.00, -33.33, 13.18
CIE _{LCh}	42, 35.842, 158.431
Yxy	12.5000, 0.2654, 0.4289
Android (android.graphics.Color)	4280250444 (0xFF1F704C)
YUV	83.6770, -3.7848, -46.1977
Hunter-Lab	35.3553, -22.8242, 9.8101

Details

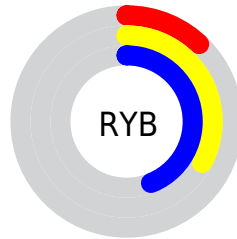
The CIELCh color **42, 35.842, 158.431** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 38.774, 356.213**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 35.561, 158.577**, and **23, 30.460, 152.774** is the 20% darker color. If you saturate the color by 10%, you get **42, 39.450, 156.663**, and if you desaturate by 10%, it is **42, 31.761, 160.010**.

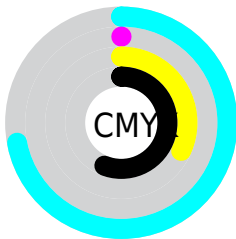
Distribution



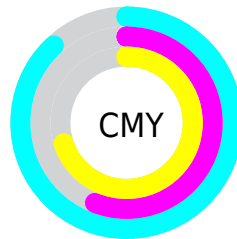
- Red (12%)
- Green (44%)
- Blue (30%)



- Red (12%)
- Yellow (33%)
- Blue (44%)



- Cyan (72%)
- Magenta (0%)
- Yellow (32%)
- Black (56%)





- Cyan (88%)
- Magenta (56%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.842, 158.431 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, 35.842, 158.431 by changing the saturation by 10% instead.


 42, 35.842,
158.431


 42, 35.842,
158.431


 100, 35.842,
158.431


 32, 35.842,
158.431

 62, 35.842,
158.431


 22, 35.842,
158.431

 72, 35.842,
158.431

 12, 35.842,
158.431

 82, 35.842,
158.431

 2, 35.842, 158.431

 92, 35.842,
158.431

 0, 35.842, 158.431

 42, 35.842,

 42, 35.842,

158.431

■ 42, 39.450,
156.663

■ 41, 42.571,
154.705

■ 41, 44.921,
153.185

158.431

■ 42, 31.761,
160.010

■ 43, 27.257,
161.417

■ 44, 22.402,
162.672

■ 44, 17.277,
163.797

■ 45, 11.966,
164.814

■ 46, 6.543, 165.749

■ 47, 1.077, 166.803

■ 48, 4.379, 347.250

■ 50, 9.782, 348.000

Harmonies

Complementary

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



42, 35.842, 158.431



26, 38.774, 356.213

Rectangle

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



42, 35.842, 158.431



42, 35.842, 208.431



42, 35.842, 338.431



42, 35.842, 28.431

Sweetspot

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



42, 35.842, 158.431



58, 14.785, 164.756



43, 48.702, 128.001



30, 9.999, 164.558



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 35.842, 158.431



53, 49.896, 155.462



42, 23.064, 203.007



23, 3.069, 166.020



44, 47.187, 153.010



86, 82.815, 151.606

Inverse Universe

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



26, 38.774, 356.213



32, 52.682, 0.813



26, 39.783, 32.248



22, 3.114, 347.391



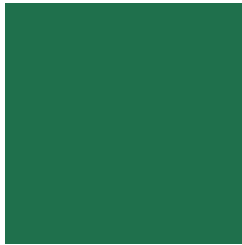
24, 48.320, 5.278



53, 82.535, 8.236

Previews

White Background



This preview shows how the CIELCh color 42, 35.842, 158.431 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, 35.842, 158.431 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, 35.842, 158.431

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.842, 158.431.



This preview shows how white text looks on a background with the CIELCh color 42, 35.842, 158.431.

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, 35.842, 158.431

Protanopia

42, 17.645, 97.009

Deuteranopia

42, 12.576, 65.598



Tritanopia
42, 19.560, 213.682

Trichromacy



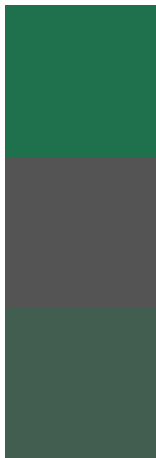
Original Color
42, 35.842, 158.431

Protanomaly
41, 22.049, 136.765

Deuteranomaly
41, 15.196, 137.010

Tritanomaly
42, 23.002, 186.045

Monochromacy



Original Color
42, 35.842, 158.431

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 14.443, 163.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.842, 158.431 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(31, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(31, 112, 76)  
}
```

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(31, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 112, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.842, 158.431 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(31, 112, 76) }
```

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

```
.border{ border-color:rgb(31, 112, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 112, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(31, 112,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.842, 158.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 112, 76) }
```

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

```
.background{ background-color: rgb(31, 112,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor