

Converting Colors

CIELCh(42, 38.753, 161.857)

Have a look what the booklet for
CIELCh(42, 38.753, 161.857)
contains.

CIELCh(42, 39.054, 161.598)	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, 39.054, 161.598)

Conversions

Conversions Part 1

Format	Color
Hex	00724E
RGB	0, 114, 78
RGB Percent	0%, 45%, 31%
CMY	0.9994, 0.5543, 0.6954
CMYK	1.00, 0.00, 0.32, 0.55
HSL	161°, 100%, 22%
HSV	161°, 100%, 45%
XYZ	7.3421, 12.5000, 9.1716
YIQ	75.8100, -56.3880, -35.3640

Conversions

Conversions Part 2

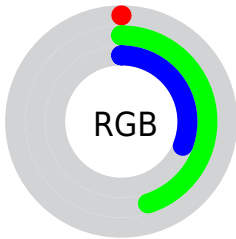
Format	Color
RYB	0, 68, 114
Decimal	29262
CIELab	42.00, -37.06, 12.33
CIELCh	42, 39.054, 161.598
Yxy	12.5000, 0.2531, 0.4308
Android (android.graphics.Color)	4278219342 (0xFF00724E)
YUV	75.8100, 1.0797, -66.4854
Hunter-Lab	35.3553, -24.8036, 9.3683

Details

The CIELCh color **42, 39.054, 161.598** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **23, 47.345, 16.811**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 39.338, 161.491**, and **23, 31.184, 152.620** is the 20% darker color. If you saturate the color by 10%, you get **42, 39.086, 161.573**, and if you desaturate by 10%, it is **42, 36.795, 163.448**.

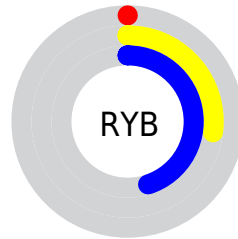
Distribution



Red (0%)

Green (45%)

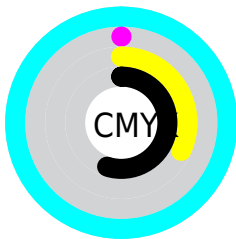
Blue (31%)



Red (0%)

Yellow (27%)

Blue (45%)

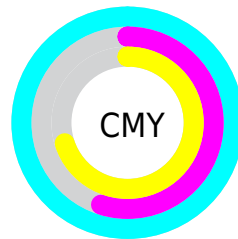


Cyan (100%)

Magenta (0%)

Yellow (32%)

Black (55%)



Cyan (100%)


Magenta (55%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 39.054, 161.598 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, 39.054, 161.598 by changing the saturation by 10% instead.


 42, 39.054,
161.598


 42, 39.054,
161.598


 100, 39.054,
161.598


 32, 39.054,
161.598

 62, 39.054,
161.598


 22, 39.054,
161.598

 72, 39.054,
161.598

 12, 39.054,
161.598

 82, 39.054,
161.598

 2, 39.054, 161.598

 92, 39.054,
161.598

 0, 39.054, 161.598

 42, 39.054,

 42, 39.054,

161.598

161.598

■ 42, 39.086,
161.573

■ 42, 36.795,
163.448

■ 42, 34.257,
165.271

■ 43, 31.224,
166.913

■ 43, 27.712,
168.387

■ 44, 23.762,
169.715

■ 44, 19.441,
170.918

■ 45, 14.822,
172.017

■ 46, 9.983, 173.033

Harmonies

Complementary

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



42, 39.054, 161.598



23, 47.345, 16.811

Rectangle

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



42, 39.054, 161.598



42, 39.054, 211.598



42, 39.054, 341.598



42, 39.054, 31.598

Sweetspot

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



42, 39.054, 161.597



58, 18.454, 171.920



42, 62.563, 131.891



29, 12.444, 171.574



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, 39.054, 161.597



54, 47.745, 160.955



37, 23.975, 226.711



23, 2.821, 174.080



44, 40.688, 161.437



87, 71.019, 160.097

Inverse Universe

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



23, 47.345, 16.811



31, 57.683, 18.469



24, 52.902, 41.629



22, 2.888, 355.531



24, 49.289, 17.220



52, 85.502, 20.698

Previews

White Background



This preview shows how the CIELCh color 42, 39.054, 161.598 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, 39.054, 161.598 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, 39.054, 161.598

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.054, 161.598.



This preview shows how white text looks on a background with the CIELCh color 42, 39.054, 161.598.

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, 39.123, 161.655

Protanopia

42, 17.065, 96.766

Deuteranopia

42, 11.681, 61.900



Tritanopia
42, 21.770, 210.057

Trichromacy



Original Color
42, 39.123, 161.655

Protanomaly
41, 24.121, 146.040

Deuteranomaly
40, 18.115, 149.997

Tritanomaly
42, 26.613, 185.822

Monochromacy



Original Color
42, 39.123, 161.655

Achromatopsia
32, 0.005, 296.813

Achromatomaly
35, 18.445, 170.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.054, 161.598 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(0, 114, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 78)  
}
```

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(0, 114, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.054, 161.598 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(0, 114, 78) }
```

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

```
.border{ border-color:rgb(0, 114, 78) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.054, 161.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 78) }
```

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

```
.background{ background-color: rgb(0, 114,  
78) }
```

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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