

Converting Colors

CIELCh(53, 42.684, 165.732)

Have a look what the booklet for
CIELCh(53, 42.684, 165.732)
contains.

CIELCh(53, 42.816, 165.524)	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(53, 42.816, 165.524)

Conversions

Conversions Part 1

Format	Color
Hex	0C906B
RGB	12, 144, 107
RGB Percent	5%, 56%, 42%
CMY	0.9543, 0.4357, 0.5808
CMYK	0.92, 0.00, 0.26, 0.44
HSL	163°, 85%, 30%
HSV	163°, 92%, 56%
XYZ	12.7506, 21.0462, 17.2705
YIQ	100.3140, -66.7950, -39.4910

Conversions

Conversions Part 2

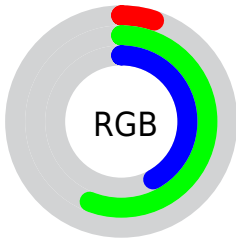
Format	Color
RYB	12, 89, 144
Decimal	823403
CIELab	53.00, -41.46, 10.70
CIELCh	53, 42.816, 165.524
Yxy	21.0462, 0.2497, 0.4121
Android (android.graphics.Color)	4279013483 (0xFF0C906B)
YUV	100.3140, 3.2962, -77.4514
Hunter-Lab	45.8761, -30.6718, 9.7930

Details

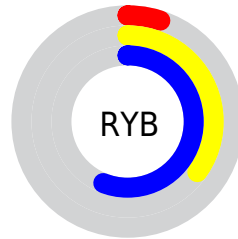
The CIELCh color **53, 42.816, 165.524** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 54.584, 17.724**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 43.145, 165.202**, and **34, 34.591, 159.948** is the 20% darker color. If you saturate the color by 10%, you get **53, 44.645, 163.965**, and if you desaturate by 10%, it is **53, 40.229, 167.395**.

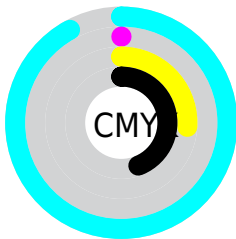
Distribution



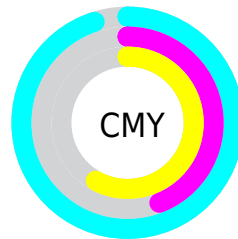
- Red (5%)
- Green (56%)
- Blue (42%)



- Red (5%)
- Yellow (35%)
- Blue (56%)



- Cyan (92%)
- Magenta (0%)
- Yellow (26%)
- Black (44%)





- Cyan (95%)
- Magenta (44%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 42.816, 165.524 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 53, 42.816, 165.524 by changing the saturation by 10% instead.


 53, 42.816,
165.524


 53, 42.816,
165.524


 100, 42.816,
165.524


 43, 42.816,
165.524


 73, 42.816,
165.524

 33, 42.816,
165.524

 83, 42.816,
165.524

 23, 42.816,
165.524

 93, 42.816,
165.524

 13, 42.816,
165.524

 3, 42.816, 165.524

 0, 42.816, 165.524

■ 53, 42.816,
165.524

■ 53, 42.816,
165.524

■ 53, 44.645,
163.965

■ 53, 40.229,
167.395

■ 54, 37.032,
169.082

■ 54, 33.220,
170.596

■ 55, 28.831,
171.960

■ 55, 23.937,
173.196

■ 56, 18.628,
174.326

■ 57, 12.998,
175.372

■ 58, 7.142, 176.360

Harmonies

Complementary

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



53, 42.816, 165.524



30, 54.584, 17.724

Rectangle

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



53, 42.816, 165.524



53, 42.816, 215.524



53, 42.816, 345.524



53, 42.816, 35.524

Sweetspot

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



53, 42.816, 165.523



72, 20.297, 174.682



53, 72.661, 132.899



37, 14.023, 174.262



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 42.816, 165.523



67, 54.361, 163.491



45, 28.134, 235.320



30, 3.376, 176.627



50, 42.573, 164.098



2, 2.300, 177.388

Inverse Universe

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



30, 54.584, 17.724



39, 69.942, 22.949



33, 58.655, 43.837



28, 3.471, 358.158



28, 54.763, 21.296



0, 2.301, 357.374

Previews

White Background



This preview shows how the CIE LCh color 53, 42.816, 165.524 looks on a white 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

Black Background



This preview shows how the CIELCh color 53, 42.816, 165.524 looks on a black 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

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

CIELCh 53, 42.816, 165.524

Background



This preview shows how black text looks on a background with the CIELCh color 53, 42.816, 165.524.



This preview shows how white text looks on a background with the CIELCh color 53, 42.816, 165.524.

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

53, 42.816, 165.524

Protanopia

53, 16.460, 95.962

Deuteranopia

53, 10.698, 49.117



Tritanopia
53, 26.531, 212.427

Trichromacy



Original Color
53, 42.816, 165.524



Protanomaly
52, 25.310, 150.084



Deuteranomaly
51, 17.484, 158.417



Tritanomaly
53, 30.603, 189.886

Monochromacy



Original Color
53, 42.816, 165.524



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 19.751, 174.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 42.816, 165.524 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(12, 144, 107)` looks like.

```
.text, #text, p{  
    color:rgb(12, 144, 107)  
}
```

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(12, 144, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 144, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 42.816, 165.524 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(12, 144, 107) }
```

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

```
.border{ border-color:rgb(12, 144, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 144, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 144, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 144, 107);  
box-shadow:4px 4px 4px 4px rgb(12, 144,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 42.816, 165.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 144, 107) }
```

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

```
.background{ background-color: rgb(12, 144,  
107) }
```

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