

Converting Colors

CIELCh(53, 41.789, 168.204)

Have a look what the booklet for
CIELCh(53, 41.789, 168.204)
contains.

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Color

CIELCh(53, 41.774, 168.332)

Conversions

Conversions Part 1

Format	Color
Hex	02906F
RGB	2, 144, 111
RGB Percent	1%, 56%, 44%
CMY	0.9907, 0.4361, 0.5654
CMYK	0.98, 0.00, 0.23, 0.44
HSL	166°, 97%, 29%
HSV	166°, 98%, 56%
XYZ	12.8323, 21.0462, 18.3721
YIQ	97.7800, -74.0390, -40.3670

Conversions

Conversions Part 2

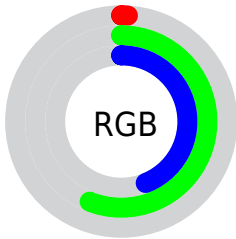
Format	Color
RYB	2, 82, 144
Decimal	168047
CIELab	53.00, -40.91, 8.45
CIELCh	53, 41.774, 168.332
Yxy	21.0462, 0.2456, 0.4028
Android (android.graphics.Color)	4278358127 (0xFF02906F)
YUV	97.7800, 6.5175, -83.9991
Hunter-Lab	45.8761, -30.3537, 8.3693

Details

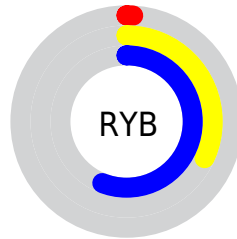
The CIELCh color **53, 41.774, 168.332** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 58.150, 24.853**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.840, 168.434**, and **34, 33.296, 162.313** is the 20% darker color. If you saturate the color by 10%, you get **53, 42.095, 168.043**, and if you desaturate by 10%, it is **53, 39.789, 170.139**.

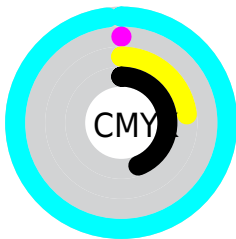
Distribution



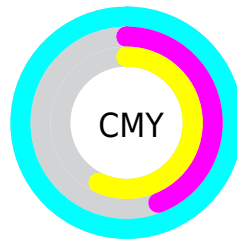
- Red (1%)
- Green (56%)
- Blue (44%)



- Red (1%)
- Yellow (32%)
- Blue (56%)



- Cyan (98%)
- Magenta (0%)
- Yellow (23%)
- Black (44%)





- Cyan (99%)
- Magenta (44%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 41.774, 168.332 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, 41.774, 168.332 by changing the saturation by 10% instead.


 53, 41.774,
168.332


 53, 41.774,
168.332


 100, 41.774,
168.332


 43, 41.774,
168.332


 73, 41.774,
168.332

 33, 41.774,
168.332

 83, 41.774,
168.332

 23, 41.774,
168.332

 93, 41.774,
168.332

 13, 41.774,
168.332

 3, 41.774, 168.332

 0, 41.774, 168.332

■ 53, 41.774,
168.332

■ 53, 41.774,
168.332

■ 53, 42.095,
168.043

■ 53, 39.789,
170.139

■ 53, 37.305,
171.821

■ 54, 34.195,
173.337

■ 54, 30.466,
174.704

■ 55, 26.164,
175.946

■ 56, 21.367,
177.085

■ 57, 16.162,
178.140

■ 58, 10.644,

179.131

■ 59, 4.903, 180.096

Harmonies

Complementary

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



53, 41.774, 168.332



30, 58.150, 24.853

Rectangle

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



53, 41.774, 168.332



53, 41.774, 218.332



53, 41.774, 348.332



53, 41.774, 38.332

Sweetspot

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



53, 41.774, 168.331



72, 21.011, 177.907



52, 75.589, 133.993



37, 14.326, 177.511



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, 41.774, 168.331



67, 51.219, 167.600



42, 30.022, 247.905



30, 3.293, 180.015



50, 40.171, 168.166



2, 2.249, 180.761

Inverse Universe

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



30, 58.150, 24.853



39, 71.841, 26.887



33, 61.153, 46.348



28, 3.400, 1.523



27, 56.111, 25.254



0, 2.249, 0.747

Previews

White Background



This preview shows how the CIELCh color 53, 41.774, 168.332 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, 41.774, 168.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

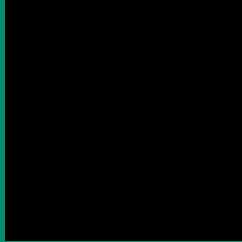
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 41.774, 168.332

Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.774, 168.332.



This preview shows how white text looks on a background with the CIELCh color 53, 41.774, 168.332.

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, 41.823, 168.361

Protanopia

53, 14.126, 96.148

Deuteranopia

53, 9.252, 38.347



Tritanopia
53, 27.026, 210.785

Trichromacy



Original Color
53, 41.823, 168.361

Protanomaly
51, 24.232, 156.722

Deuteranomaly
51, 17.179, 166.997

Tritanomaly
53, 31.178, 191.062

Monochromacy



Original Color
53, 41.823, 168.361

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 20.597, 176.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 41.774, 168.332 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(2, 144, 111)` looks like.

```
.text, #text, p{  
    color:rgb(2, 144, 111)  
}
```

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(2, 144, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 144, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 41.774, 168.332 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(2, 144, 111) }
```

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

```
.border{ border-color:rgb(2, 144, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 144, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 144, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 144, 111);  
box-shadow:4px 4px 4px 4px rgb(2, 144,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 41.774, 168.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 144, 111) }
```

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

```
.background{ background-color: rgb(2, 144,  
111) }
```

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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