

Converting Colors

CIELCh(52, 47.654, 166.882)

Have a look what the booklet for
CIELCh(52, 47.654, 166.882)
contains.

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Color

CIELCh(53, 44.047, 164.566)

Conversions

Conversions Part 1

Format	Color
Hex	049069
RGB	4, 144, 105
RGB Percent	2%, 56%, 41%
CMY	0.9853, 0.4346, 0.5879
CMYK	0.97, 0.00, 0.27, 0.43
HSL	163°, 95%, 29%
HSV	163°, 97%, 57%
XYZ	12.6014, 21.0462, 16.7873
YIQ	97.6940, -70.9210, -41.8090

Conversions

Conversions Part 2

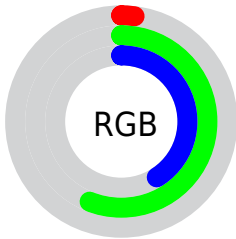
Format	Color
RYB	4, 85, 144
Decimal	299113
CIELab	53.00, -42.46, 11.72
CIElCh	53, 44.047, 164.566
Yxy	21.0462, 0.2499, 0.4173
Android (android.graphics.Color)	4278489193 (0xFF049069)
YUV	97.6940, 3.6019, -82.1696
Hunter-Lab	45.8761, -31.2521, 10.4175

Details

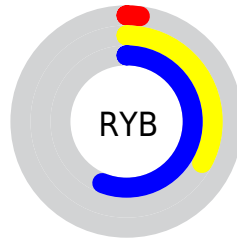
The CIELCh color **53, 44.047, 164.566** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 56.593, 20.574**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 44.226, 164.341**, and **34, 35.467, 158.463** is the 20% darker color. If you saturate the color by 10%, you get **53, 44.635, 164.079**, and if you desaturate by 10%, it is **53, 41.724, 166.500**.

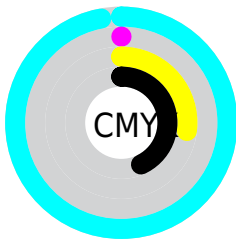
Distribution



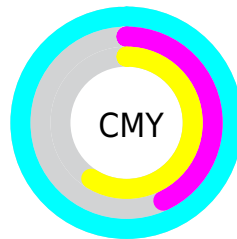
- Red (2%)
- Green (56%)
- Blue (41%)



- Red (2%)
- Yellow (33%)
- Blue (56%)



- Cyan (97%)
- Magenta (0%)
- Yellow (27%)
- Black (43%)



- Cyan (99%)
- Magenta (43%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 44.047, 164.566 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, 44.047, 164.566 by changing the saturation by 10% instead.

 53, 44.047,
164.566

 53, 44.047,
164.566

 100, 44.047,
164.566

 43, 44.047,
164.566

 73, 44.047,
164.566

 33, 44.047,
164.566

 83, 44.047,
164.566

 23, 44.047,
164.566

 93, 44.047,
164.566

 13, 44.047,
164.566

 3, 44.047, 164.566

 0, 44.047, 164.566

■ 53, 44.047,
164.566

■ 53, 44.047,
164.566

■ 53, 44.635,
164.079

■ 53, 41.724,
166.500

■ 54, 38.873,
168.285

■ 54, 35.401,
169.890

■ 54, 31.326,
171.332

■ 55, 26.701,
172.634

■ 56, 21.608,
173.818

■ 57, 16.141,
174.907

■ 58, 10.395,

175.922

■ 59, 4.461, 176.906

Harmonies

Complementary

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



53, 44.047, 164.566



30, 56.593, 20.574

Rectangle

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



53, 44.047, 164.566



53, 44.047, 214.566



53, 44.047, 344.566



53, 44.047, 34.566

Sweetspot

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



53, 44.047, 164.565



72, 21.197, 174.673



52, 74.634, 133.132



37, 14.394, 174.260



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, 44.047, 164.565



68, 54.834, 163.588



44, 28.685, 237.340



30, 3.373, 176.728



50, 42.498, 164.216



2, 2.299, 177.489

Inverse Universe

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



30, 56.593, 20.574



40, 70.733, 23.134



32, 62.136, 44.100



28, 3.468, 358.259



28, 54.800, 21.421



0, 2.299, 357.475

Previews

White Background



This preview shows how the CIELCh color 53, 44.047, 164.566 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, 44.047, 164.566 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, 44.047, 164.566

Background



This preview shows how black text looks on a background with the CIELCh color 53, 44.047, 164.566.



This preview shows how white text looks on a background with the CIELCh color 53, 44.047, 164.566.

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, 43.978, 164.582

Protanopia

53, 17.579, 96.546

Deuteranopia

53, 11.727, 52.802



Tritanopia
53, 26.531, 212.427

Trichromacy



Original Color
53, 43.978, 164.582



Protanomaly
51, 26.946, 150.048



Deuteranomaly
51, 18.856, 157.113



Tritanomaly
53, 30.967, 189.929

Monochromacy



Original Color
53, 43.978, 164.582



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 20.923, 173.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 44.047, 164.566 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(4, 144, 105)` looks like.

```
.text, #text, p{  
    color:rgb(4, 144, 105)  
}
```

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(4, 144, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 144, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 44.047, 164.566 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(4, 144, 105) }
```

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

```
.border{ border-color:rgb(4, 144, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 144, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 144, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 144, 105);  
box-shadow:4px 4px 4px 4px rgb(4, 144,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 44.047, 164.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 144, 105) }
```

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

```
.background{ background-color: rgb(4, 144,  
105) }
```

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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