

Converting Colors

CIELCh(53, 15.970, 107.817)

Have a look what the booklet for
CIELCh(53, 15.970, 107.817)
contains.

CIELCh(53, 16.049, 108.146)	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, 16.049, 108.146)

Conversions

Conversions Part 1

Format	Color
Hex	808064
RGB	128, 128, 100
RGB Percent	50%, 50%, 39%
CMY	0.4969, 0.4969, 0.6068
CMYK	0.00, 0.00, 0.22, 0.50
HSL	60°, 12%, 45%
HSV	60°, 22%, 50%
XYZ	19.0121, 21.0462, 15.1842
YIQ	124.8080, 8.9880, -8.7080

Conversions

Conversions Part 2

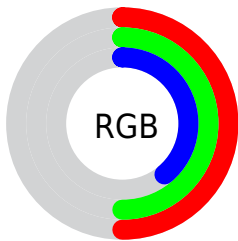
Format	Color
R_{YB}	100, 128, 100
Decimal	8421476
CIE _{Lab}	53.00, -5.00, 15.25
CIE _{LCh}	53, 16.049, 108.146
Yxy	21.0462, 0.3442, 0.3810
Android (android.graphics.Color)	4286611556 (0xFF808064)
YUV	124.8080, -12.2303, 2.7994
Hunter-Lab	45.8761, -6.3089, 12.4894

Details

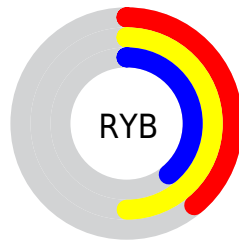
The CIELCh color $53, 16.049, 108.146$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 16.851, 292.567$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 16.167, 108.594$, and $33, 16.147, 108.992$ is the 20% darker color. If you saturate the color by 10%, you get $53, 23.269, 107.224$, and if you desaturate by 10%, it is $53, 8.727, 109.081$.

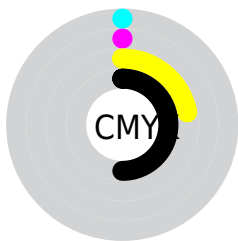
Distribution



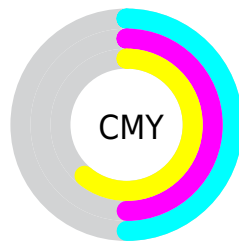
- Red (50%)
- Green (50%)
- Blue (39%)



- Red (39%)
- Yellow (50%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (22%)
- Black (50%)





- Cyan (50%)
- Magenta (50%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 16.049, 108.146 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, 16.049, 108.146 by changing the saturation by 10% instead.


 53, 16.049,
108.146


 53, 16.049,
108.146


 100, 16.049,
108.146


 43, 16.049,
108.146


 73, 16.049,
108.146

 33, 16.049,
108.146

 83, 16.049,
108.146

 23, 16.049,
108.146

 93, 16.049,
108.146

 13, 16.049,
108.146

 3, 16.049, 108.146

 0, 16.049, 108.146

■ 53, 16.049,
108.146

■ 53, 16.049,
108.146

■ 53, 23.269,
107.224

■ 53, 8.727, 109.081

■ 53, 30.305,
106.320

■ 54, 1.351, 109.977

■ 54, 6.043, 290.925

■ 52, 37.035,
105.461

■ 54, 13.431,
291.801

■ 52, 43.278,
104.673

■ 55, 20.797,
292.648

■ 52, 48.781,
103.990

■ 55, 28.128,
293.460

■ 52, 53.226,
103.449

■ 56, 35.416,
294.233

■ 52, 56.309,
103.080

■ 57, 42.654,
294.965

■ 52, 58.225,

102.853

■ 57, 49.833,
295.657

Harmonies

Complementary

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



53, 16.049, 108.146



43, 16.851, 292.567

Rectangle

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



53, 16.049, 108.146



53, 16.049, 158.146



53, 16.049, 288.146



53, 16.049, 338.146

Sweetspot

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



53, 16.050, 108.151



68, 6.366, 109.512



45, 12.058, 20.926



36, 4.169, 109.471



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



53, 16.050, 108.151



67, 23.510, 107.709



52, 17.181, 128.113



27, 4.136, 109.334



52, 57.970, 102.853



0, 0.000, 0.000

Inverse Universe

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



43, 16.851, 292.567



53, 24.978, 293.205



45, 17.681, 310.052



24, 4.222, 291.079



13, 80.046, 306.287



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 53, 16.049, 108.146 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, 16.049, 108.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

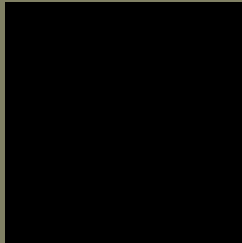
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

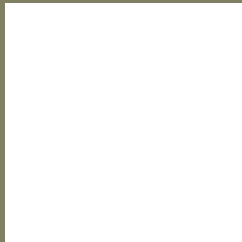
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 16.049, 108.146

Background



This preview shows how black text looks on a background with the CIELCh color 53, 16.049, 108.146.



This preview shows how white text looks on a background with the CIELCh color 53, 16.049, 108.146.

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

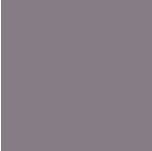
53, 16.049, 108.146

Protanopia

53, 16.004, 94.109

Deuteranopia

53, 15.893, 63.356



Tritanopia
53, 6.816, 322.037

Trichromacy



Original Color
53, 16.049, 108.146

Protanomaly
53, 16.273, 98.978

Deuteranomaly
53, 15.005, 80.952

Tritanomaly
53, 3.056, 68.331

Monochromacy



Original Color
53, 16.049, 108.146

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 5.768, 109.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 16.049, 108.146 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(128, 128, 100)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 100)  
}
```

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(128, 128, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 16.049, 108.146 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(128, 128, 100) }
```

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

```
.border{ border-color:rgb(128, 128, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 100);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 16.049, 108.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 100) }
```

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

```
.background{ background-color: rgb(128,  
128, 100) }
```

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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