

Converting Colors

CIELCh(54, 0.607, 36.842)

Have a look what the booklet for
CIELCh(54, 0.607, 36.842) contains.

CIELCh(54, 0.690, 74.854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(54, 0.690, 74.854)

Conversions

Conversions Part 1

Format	Color
Hex	828180
RGB	130, 129, 128
RGB Percent	51%, 51%, 50%
CMY	0.4905, 0.4944, 0.4984
CMYK	0.00, 0.01, 0.02, 0.49
HSL	30°, 1%, 51%
HSV	30°, 2%, 51%
XYZ	20.9236, 21.9746, 23.5326
YIQ	129.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

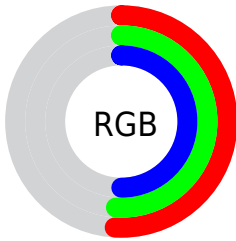
Format	Color
RYB	130, 130, 128
Decimal	8552832
CIELab	54.00, 0.18, 0.67
CIELCh	54, 0.690, 74.854
Yxy	21.9746, 0.3150, 0.3308
Android (android.graphics.Color)	4286742912 (0xFF828180)
YUV	129.1850, -0.5842, 0.7148
Hunter-Lab	46.8770, -2.3611, 3.0499

Details

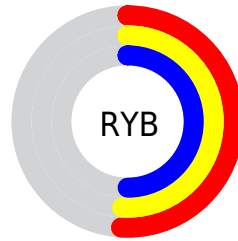
The CIELCh color $54, 0.690, 74.854$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $54, 0.699, 256.107$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 0.646, 74.757$, and $34, 0.753, 74.895$ is the 20% darker color. If you saturate the color by 10%, you get $52, 5.325, 74.144$, and if you desaturate by 10%, it is $56, 3.754, 256.589$.

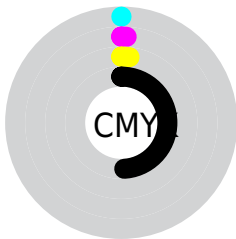
Distribution



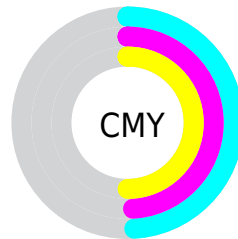
- Red (51%)
- Green (51%)
- Blue (50%)



- Red (51%)
- Yellow (51%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 0.690, 74.854 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 54, 0.690, 74.854 by changing the saturation by 10% instead.

 54, 0.690, 74.854  54, 0.690, 74.854

100, 0.690, 74.854  44, 0.690, 74.854

 74, 0.690, 74.854  34, 0.690, 74.854

 84, 0.690, 74.854  24, 0.690, 74.854

 94, 0.690, 74.854  14, 0.690, 74.854

 4, 0.690, 74.854

 0, 0.690, 74.854

 54, 0.690, 74.854  54, 0.690, 74.854

 52, 5.325, 74.144  56, 3.754, 256.589

 50, 10.168, 72.971  58, 8.028, 257.667

48, 15.232, 71.769

61, 12.148,
258.734

46, 20.522, 70.552

63, 16.133,
259.767

44, 26.021, 69.323

42, 31.675, 68.066

65, 19.996,
260.760

40, 37.357, 66.741

67, 23.753,
261.711

38, 42.804, 65.249

36, 47.540, 63.388

70, 27.414,
262.620

72, 30.990,
263.487

74, 34.491,
264.312

Harmonies

Complementary

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



54, 0.690, 74.854



54, 0.699, 256.107

Rectangle

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



54, 0.690, 74.854



54, 0.690, 124.854



54, 0.690, 254.854



54, 0.690, 304.854

Sweetspot

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



54, 0.691, 74.982



69, 0.009, 296.813



54, 0.990, 343.473



36, 0.005, 296.813



85, 0.010, 296.813

Same Dimension

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



54, 0.691, 74.982



68, 1.112, 75.020



54, 1.142, 109.996



27, 0.499, 75.010



34, 50.661, 61.968



0, 0.000, 0.000

Inverse Universe

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



54, 0.699, 256.107



68, 1.120, 256.073



54, 1.160, 290.361



27, 0.503, 256.082



27, 41.982, 282.637



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 54, 0.690, 74.854 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 CIE LCh color 54, 0.690, 74.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

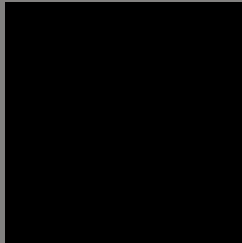
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

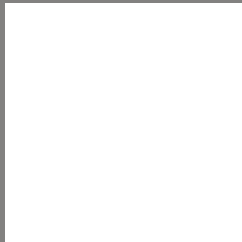
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 0.690, 74.854

Background



This preview shows how black text looks on a background with the CIELCh color 54, 0.690, 74.854.



This preview shows how white text looks on a background with the CIELCh color 54, 0.690, 74.854.

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


54, 0.690, 74.854

Protanopia

54, 1.596, 19.326

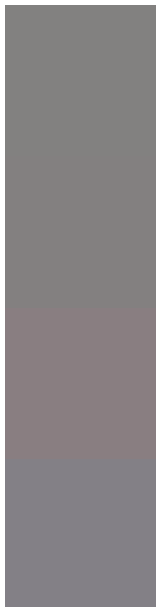
Deuteranopia

54, 6.844, 0.523



Tritanopia
54, 6.562, 304.569

Trichromacy



Original Color

54, 0.690, 74.854

Protanomaly

54, 1.195, 19.200

Deuteranomaly

54, 4.743, 358.533

Tritanomaly

54, 3.673, 309.233

Monochromacy



Original Color

54, 0.690, 74.854

Achromatopsia

54, 0.007, 296.813

Achromatomaly

54, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 0.690, 74.854 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(130, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(130, 129, 128)  
}
```

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(130, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 129, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 0.690, 74.854 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(130, 129, 128) }
```

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

```
.border{ border-color:rgb(130, 129, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 129, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(130, 129,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 0.690, 74.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 129, 128) }
```

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

```
.background{ background-color: rgb(130,  
129, 128) }
```

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