

Converting Colors

CIELCh(54, 4.439, 65.445)

Have a look what the booklet for
CIELCh(54, 4.439, 65.445) contains.

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Color

CIELCh(54, 4.461, 69.997)

Conversions

Conversions Part 1

Format	Color
Hex	87807A
RGB	135, 128, 122
RGB Percent	53%, 50%, 48%
CMY	0.4708, 0.4982, 0.5218
CMYK	0.00, 0.05, 0.10, 0.47
HSL	28°, 5%, 50%
HSV	28°, 10%, 53%
XYZ	21.2047, 21.9746, 21.5190
YIQ	129.4090, 6.0980, -0.3820

Conversions

Conversions Part 2

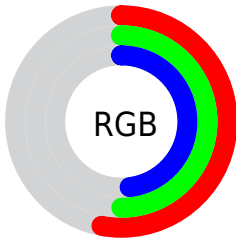
Format	Color
R_{YB}	135, 133, 122
Decimal	8880250
CIE Lab	54.00, 1.53, 4.19
CIE LCh	54, 4.461, 69.997
Yxy	21.9746, 0.3277, 0.3396
Android (android.graphics.Color)	4287070330 (0xFF87807A)
YUV	129.4090, -3.6526, 4.9033
Hunter-Lab	46.8770, -1.2910, 5.5967

Details

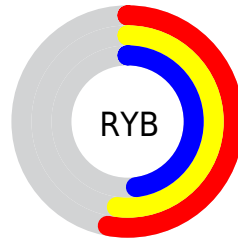
The CIELCh color $54, 4.461, 69.997$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $54, 4.341, 252.390$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 4.603, 74.448$, and $34, 4.610, 73.801$ is the 20% darker color. If you saturate the color by 10%, you get $52, 9.331, 68.923$, and if you desaturate by 10%, it is $56, 0.172, 252.941$.

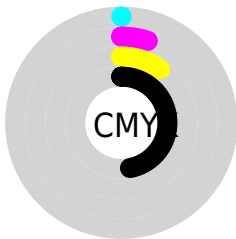
Distribution



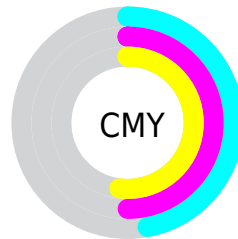
- Red (53%)
- Green (50%)
- Blue (48%)



- Red (53%)
- Yellow (52%)
- Blue (48%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (47%)



- Cyan (47%)
- Magenta (50%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 4.461, 69.997 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, 4.461, 69.997 by changing the saturation by 10% instead.

 54, 4.461, 69.997  54, 4.461, 69.997

 100, 4.461, 69.997  44, 4.461, 69.997

 74, 4.461, 69.997  34, 4.461, 69.997

 84, 4.461, 69.997  24, 4.461, 69.997

 94, 4.461, 69.997  14, 4.461, 69.997

 4, 4.461, 69.997

 0, 4.461, 69.997

 54, 4.461, 69.997  54, 4.461, 69.997

 52, 9.331, 68.923  56, 0.172, 252.941

 49, 14.457, 67.801  59, 4.590, 252.371

47, 19.852, 66.676

61, 8.817, 253.415

45, 25.512, 65.557

64, 12.874,
254.448

43, 31.397, 64.433

66, 16.781,
255.452

41, 37.404, 63.270

39, 43.304, 61.977

69, 20.555,
256.420

37, 48.647, 60.361

71, 24.212,
257.350

35, 53.492, 58.650

74, 27.764,
258.241

76, 31.225,
259.092

Harmonies

Complementary

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



54, 4.461, 69.997



54, 4.341, 252.390

Rectangle

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



54, 4.461, 69.997



54, 4.461, 119.997



54, 4.461, 249.997



54, 4.461, 299.997

Sweetspot

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



54, 4.461, 70.019



71, 1.694, 70.609



53, 6.661, 341.748



37, 1.298, 70.568



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



54, 4.461, 70.019



68, 6.950, 69.737



56, 7.043, 107.168



27, 2.571, 70.074



34, 52.235, 58.757



0, 0.604, 71.158

Inverse Universe

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



54, 4.341, 252.390



68, 6.702, 252.728



52, 7.183, 289.103



27, 2.507, 252.327



29, 39.465, 278.522



0, 0.605, 251.172

Previews

White Background



This preview shows how the CIELCh color 54, 4.461, 69.997 looks on a white background.

Color Contrast Check

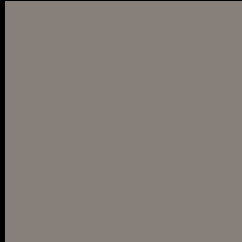
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.461, 69.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

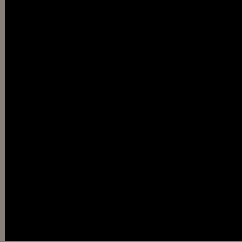
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

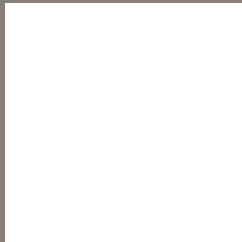
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 4.461, 69.997

Background



This preview shows how black text looks on a background with the CIELCh color 54, 4.461, 69.997.



This preview shows how white text looks on a background with the CIELCh color 54, 4.461, 69.997.

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

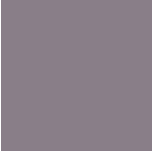
54, 4.461, 69.997

Protanopia

54, 4.323, 87.584

Deuteranopia

54, 7.887, 28.518



Tritanopia
54, 7.240, 327.414

Trichromacy



Original Color

54, 4.461, 69.997

Protanomaly

54, 4.491, 82.732

Deuteranomaly

54, 6.375, 35.598

Tritanomaly

54, 4.275, 347.236

Monochromacy



Original Color

54, 4.461, 69.997

Achromatopsia

54, 0.007, 296.813

Achromatomaly

54, 1.889, 84.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 4.461, 69.997 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(135, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(135, 128, 122)  
}
```

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(135, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 128, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 4.461, 69.997 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(135, 128, 122) }
```

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

```
.border{ border-color:rgb(135, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 128, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 128, 122);  
box-shadow:4px 4px 4px 4px rgb(135, 128,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 4.461, 69.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 128, 122) }
```

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

```
.background{ background-color: rgb(135,  
128, 122) }
```

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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