

Converting Colors

CIELCh(54, 0.396, 20.726)

Have a look what the booklet for
CIELCh(54, 0.396, 20.726) contains.

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Color

CIELCh(54, 0.397, 18.442)

Conversions

Conversions Part 1

Format	Color
Hex	828181
RGB	130, 129, 129
RGB Percent	51%, 51%, 51%
CMY	0.4908, 0.4947, 0.4947
CMYK	0.00, 0.01, 0.01, 0.49
HSL	0°, 0%, 51%
HSV	0°, 1%, 51%
XYZ	20.9645, 21.9746, 23.8519
YIQ	129.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	130, 129, 129
Decimal	8552833
CIE _{Lab}	54.00, 0.38, 0.13
CIE _{LCh}	54, 0.397, 18.442
Yxy	21.9746, 0.3139, 0.3290
Android (android.graphics.Color)	4286742913 (0xFF828181)
YUV	129.2990, -0.1474, 0.6148
Hunter-Lab	46.8770, -2.2056, 2.6460

Details

The CIELCh color $54, 0.397, 18.442$ is a dark color, and the websafe version is hex `999999`. A complement of this color would be $54, 0.392, 200.581$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 0.373, 18.058$, and $34, 0.432, 18.808$ is the 20% darker color. If you saturate the color by 10%, you get $50, 5.747, 20.188$, and if you desaturate by 10%, it is $58, 4.565, 199.249$.

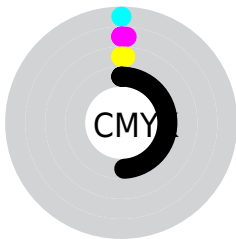
Distribution



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



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 0.397, 18.442 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, 0.397, 18.442 by changing the saturation by 10% instead.

 54, 0.397, 18.442  54, 0.397, 18.442

100, 0.397, 18.442  44, 0.397, 18.442

 74, 0.397, 18.442  34, 0.397, 18.442

 84, 0.397, 18.442  24, 0.397, 18.442

 94, 0.397, 18.442  14, 0.397, 18.442

 4, 0.397, 18.442

 0, 0.397, 18.442

 54, 0.397, 18.442  54, 0.397, 18.442

 50, 5.747, 20.188  58, 4.565, 199.249

 46, 11.512, 21.006  62, 9.170, 198.820

42, 17.695, 22.028

66, 13.456,
198.496

39, 24.266, 23.343

70, 17.459,
198.237

36, 31.150, 25.044

33, 38.211, 27.229

74, 21.213,
198.026

30, 45.249, 29.969

78, 24.748,
197.853

28, 51.989, 33.216

27, 57.896, 36.525

82, 28.092,
197.709

86, 31.269,
197.588

90, 34.298,
197.486

Harmonies

Complementary

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



54, 0.397, 18.442



54, 0.392, 200.581

Rectangle

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



54, 0.397, 18.442



54, 0.397, 68.442



54, 0.397, 198.442



54, 0.397, 248.442

Sweetspot

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



54, 0.396, 18.630



69, 0.009, 296.813



54, 0.708, 324.218



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, 0.396, 18.630



68, 0.637, 18.896



54, 0.342, 74.548



27, 0.286, 18.793



25, 61.068, 38.393



0, 0.000, 0.000

Inverse Universe

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



54, 0.392, 200.581



69, 0.631, 200.314



54, 0.352, 256.268



27, 0.283, 200.417



48, 29.882, 196.730



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 54, 0.397, 18.442 looks on a white background.

Color Contrast Check

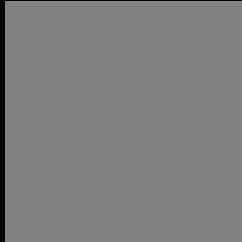
Large Text (above 18pt) WCAG AA ✓ Pass

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, 0.397, 18.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

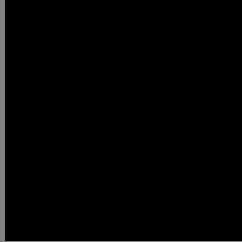
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

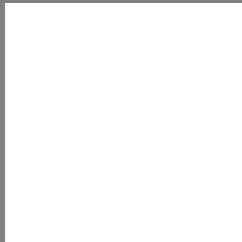
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 0.397, 18.442

Background



This preview shows how black text looks on a background with the CIELCh color 54, 0.397, 18.442.



This preview shows how white text looks on a background with the CIELCh color 54, 0.397, 18.442.

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, 0.397, 18.442

Protanopia

54, 1.333, 353.636

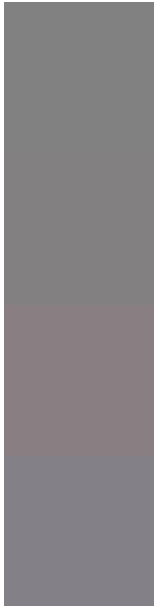
Deuteranopia

54, 7.045, 356.102



Tritanopia
54, 6.562, 304.569

Trichromacy



Original Color

54, 0.397, 18.442

Protanomaly

54, 1.333, 353.636

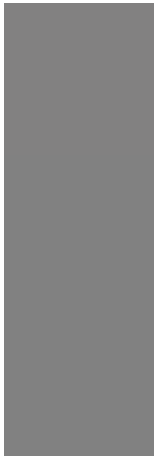
Deuteranomaly

54, 4.976, 352.350

Tritanomaly

54, 4.223, 306.756

Monochromacy



Original Color

54, 0.397, 18.442

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, 0.397, 18.442 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, 129)` looks like.

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

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, 129) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 54, 0.397, 18.442 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, 129) }
```

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

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

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, 129)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 54, 0.397, 18.442 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, 129) }
```

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

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

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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