

Converting Colors

CIELCh(54, 11.835, 20.406)

Have a look what the booklet for
CIELCh(54, 11.835, 20.406) contains.

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Color

CIELCh(54, 12.013, 20.713)

Conversions

Conversions Part 1

Format	Color
Hex	977A7A
RGB	151, 122, 122
RGB Percent	59%, 48%, 48%
CMY	0.4071, 0.5208, 0.5208
CMYK	0.00, 0.19, 0.19, 0.41
HSL	0°, 12%, 54%
HSV	0°, 19%, 59%
XYZ	23.3076, 21.9746, 21.4875
YIQ	130.6710, 17.2840, 6.1480

Conversions

Conversions Part 2

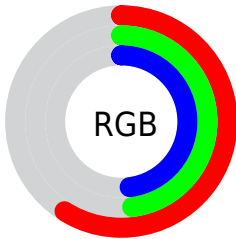
Format	Color
R_{YB}	151, 122, 122
Decimal	9927290
CIE _{Lab}	54.00, 11.24, 4.25
CIE _{LCh}	54, 12.013, 20.713
Yxy	21.9746, 0.3491, 0.3291
Android (android.graphics.Color)	4288117370 (0xFF977A7A)
YUV	130.6710, -4.2748, 17.8285
Hunter-Lab	46.8770, 6.7167, 5.6366

Details

The CIELCh color $54, 12.013, 20.713$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $60, 10.629, 198.472$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 12.357, 20.426$, and $34, 12.350, 21.363$ is the 20% darker color. If you saturate the color by 10%, you get $50, 18.970, 21.735$, and if you desaturate by 10%, it is $58, 5.534, 19.902$.

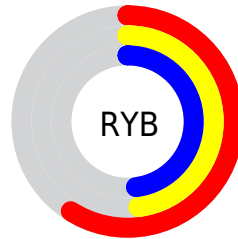
Distribution



Red (59%)

Green (48%)

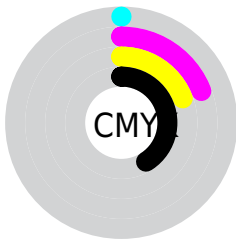
Blue (48%)



Red (59%)

Yellow (48%)

Blue (48%)

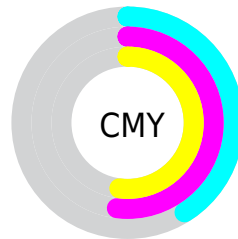


Cyan (0%)

Magenta (19%)

Yellow (19%)

Black (41%)



Cyan (41%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 12.013, 20.713 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, 12.013, 20.713 by changing the saturation by 10% instead.

■ 54, 12.013, 20.713

■ 54, 12.013, 20.713

■ 100, 12.013,
20.713

■ 44, 12.013, 20.713

■ 74, 12.013, 20.713

■ 34, 12.013, 20.713

■ 84, 12.013, 20.713

■ 24, 12.013, 20.713

■ 94, 12.013, 20.713

■ 14, 12.013, 20.713

■ 4, 12.013, 20.713

■ 0, 12.013, 20.713

■ 54, 12.013, 20.713

■ 54, 12.013, 20.713

■ 50, 18.970, 21.735

■ 58, 5.534, 19.902

■ 46, 26.380, 23.042

■ 63, 0.471, 200.330

42, 34.158, 24.737

67, 6.033, 198.973

38, 42.150, 26.926

72, 11.193,
198.557

36, 50.130, 29.686

77, 15.993,
198.238

33, 57.783, 32.981

32, 64.581, 36.459

81, 20.476,
197.982

31, 69.846, 39.273

86, 24.680,
197.773

31, 70.261, 39.473

90, 28.640,
197.600

94, 31.597,
197.473

Harmonies

Complementary

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



54, 12.013, 20.713



60, 10.629, 198.472

Rectangle

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



54, 12.013, 20.713



54, 12.013, 70.713



54, 12.013, 200.713



54, 12.013, 250.713

Sweetspot

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



54, 12.012, 20.721



76, 4.420, 19.658



55, 20.051, 325.455



40, 2.962, 19.706



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



54, 12.012, 20.721



67, 18.108, 21.124



58, 10.199, 73.095



30, 3.439, 19.905



28, 66.111, 39.051



1, 3.595, 19.414

Inverse Universe

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



60, 10.629, 198.472



76, 15.553, 198.265



56, 9.713, 258.089



32, 3.249, 199.009



53, 32.114, 196.404



3, 3.595, 199.433

Previews

White Background



This preview shows how the CIELCh color 54, 12.013, 20.713 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, 12.013, 20.713 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, 12.013, 20.713

Background



This preview shows how black text looks on a background with the CIELCh color 54, 12.013, 20.713.



This preview shows how white text looks on a background with the CIELCh color 54, 12.013, 20.713.

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, 12.013, 20.713

Protanopia

54, 2.089, 74.761

Deuteranopia

54, 8.427, 31.956



Tritanopia
54, 13.556, 358.651

Trichromacy



Original Color
54, 12.013, 20.713

Protanomaly
54, 5.001, 33.068

Deuteranomaly
54, 9.572, 27.235

Tritanomaly
54, 13.103, 5.738

Monochromacy



Original Color
54, 12.013, 20.713

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 4.021, 19.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 12.013, 20.713 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(151, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(151, 122, 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(151, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 122, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 12.013, 20.713 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(151, 122, 122) }
```

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

```
.border{ border-color:rgb(151, 122, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(151, 122,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 12.013, 20.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 122, 122) }
```

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

```
.background{ background-color: rgb(151,  
122, 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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