

Converting Colors

CIELCh(54, 23.658, 112.170)

Have a look what the booklet for
CIELCh(54, 23.658, 112.170)
contains.

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Color

CIELCh(54, 23.890, 112.450)

Conversions

Conversions Part 1

Format	Color
Hex	80855B
RGB	128, 133, 91
RGB Percent	50%, 52%, 36%
CMY	0.4996, 0.4800, 0.6446
CMYK	0.04, 0.00, 0.32, 0.48
HSL	67°, 19%, 44%
HSV	67°, 32%, 52%
XYZ	19.0483, 21.9746, 13.0508
YIQ	126.7170, 10.5020, -14.1220

Conversions

Conversions Part 2

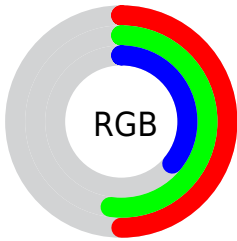
Format	Color
R_{YB}	91, 133, 96
Decimal	8422747
CIE Lab	54.00, -9.12, 22.08
CIE LCh	54, 23.890, 112.450
Yxy	21.9746, 0.3523, 0.4064
Android (android.graphics.Color)	4286612827 (0xFF80855B)
YUV	126.7170, -17.6085, 1.1252
Hunter-Lab	46.8770, -9.5020, 16.3073

Details

The CIELCh color $54, 23.890, 112.450$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $41, 25.684, 297.854$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 23.625, 112.774$, and $34, 24.423, 112.847$ is the 20% darker color. If you saturate the color by 10%, you get $54, 31.159, 111.714$, and if you desaturate by 10%, it is $54, 16.435, 113.215$.

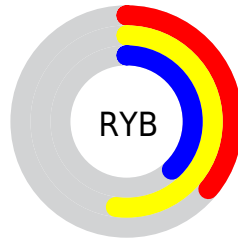
Distribution



Red (50%)

Green (52%)

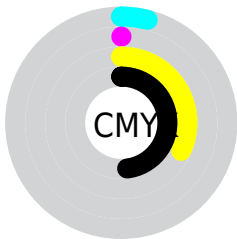
Blue (36%)



Red (36%)

Yellow (52%)

Blue (38%)

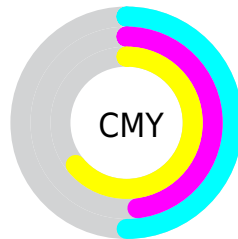


Cyan (4%)

Magenta (0%)

Yellow (32%)

Black (48%)



Cyan (50%)


Magenta (48%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 23.890, 112.450 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, 23.890, 112.450 by changing the saturation by 10% instead.


 54, 23.890,
112.450


 54, 23.890,
112.450


 100, 23.890,
112.450

 44, 23.890,
112.450


 74, 23.890,
112.450

 34, 23.890,
112.450

 84, 23.890,
112.450

 24, 23.890,
112.450

 94, 23.890,
112.450

 14, 23.890,
112.450

 4, 23.890, 112.450

 0, 23.890, 112.450

■ 54, 23.890,
112.450

■ 54, 23.890,
112.450

■ 54, 31.159,
111.714

■ 54, 16.435,
113.215

■ 53, 38.115,
111.028

■ 55, 8.873, 113.980

■ 53, 44.577,
110.433

■ 55, 1.258, 114.725

■ 56, 6.372, 295.472

■ 53, 50.290,
109.981

■ 56, 13.992,
296.177

■ 53, 54.928,
109.737

■ 57, 21.581,
296.849

■ 52, 58.177,
109.764

■ 58, 29.126,
297.488

■ 52, 60.202,
109.912

■ 58, 36.616,
298.089

■ 59, 44.043,
298.655

Harmonies

Complementary

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



54, 23.890, 112.450



41, 25.684, 297.854

Rectangle

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



54, 23.890, 112.450



54, 23.890, 162.450



54, 23.890, 292.450



54, 23.890, 342.450

Sweetspot

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



54, 23.891, 112.453



70, 8.530, 114.166



44, 16.829, 31.345



36, 5.902, 114.071



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



54, 23.891, 112.453



69, 35.488, 111.916



52, 26.356, 131.638



28, 4.293, 114.172



51, 59.358, 109.899



1, 1.033, 114.858

Inverse Universe

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



41, 25.684, 297.854



49, 38.924, 298.743



43, 27.185, 314.372



25, 4.382, 295.587



14, 80.465, 306.854



0, 1.033, 294.859

Previews

White Background



This preview shows how the CIELCh color 54, 23.890, 112.450 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 54, 23.890, 112.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

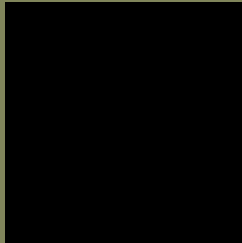
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 23.890, 112.450

Background



This preview shows how black text looks on a background with the CIELCh color 54, 23.890, 112.450.



This preview shows how white text looks on a background with the CIELCh color 54, 23.890, 112.450.

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, 23.890, 112.450

Protanopia

54, 23.225, 96.310

Deuteranopia

54, 22.207, 72.336



Tritanopia
54, 6.256, 312.758

Trichromacy



Original Color
54, 23.890, 112.450

Protanomaly
54, 22.859, 101.798

Deuteranomaly
54, 21.459, 87.098

Tritanomaly
54, 5.225, 100.554

Monochromacy



Original Color
54, 23.890, 112.450

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 8.638, 111.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 23.890, 112.450 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, 133, 91)` looks like.

```
.text, #text, p{  
    color:rgb(128, 133, 91)  
}
```

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, 133, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 133, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 23.890, 112.450 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, 133, 91) }
```

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

```
.border{ border-color:rgb(128, 133, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 133, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 133, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 133, 91);  
box-shadow:4px 4px 4px 4px rgb(128, 133,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 23.890, 112.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 133, 91) }
```

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

```
.background{ background-color: rgb(128,  
133, 91) }
```

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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