

Converting Colors

CIELCh(53, 17.249, 133.788)

Have a look what the booklet for
CIELCh(53, 17.249, 133.788)
contains.

CIELCh(53, 17.225, 133.794)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 17.225, 133.794)

Conversions

Conversions Part 1

Format	Color
Hex	728469
RGB	114, 132, 105
RGB Percent	45%, 52%, 41%
CMY	0.5535, 0.4829, 0.5888
CMYK	0.14, 0.00, 0.20, 0.48
HSL	100°, 11%, 46%
HSV	100°, 20%, 52%
XYZ	17.6935, 21.0462, 16.4554
YIQ	123.5400, -2.0610, -12.2130

Conversions

Conversions Part 2

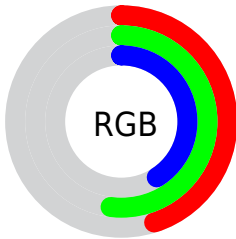
Format	Color
R_{YB}	105, 132, 123
Decimal	7505001
CIE _{Lab}	53.00, -11.92, 12.43
CIE _{LCh}	53, 17.225, 133.794
Yxy	21.0462, 0.3206, 0.3813
Android (android.graphics.Color)	4285695081 (0xFF728469)
YUV	123.5400, -9.1402, -8.3666
Hunter-Lab	45.8761, -11.4392, 10.8464

Details

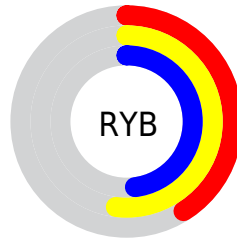
The CIELCh color $53, 17.225, 133.794$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $47, 17.518, 315.502$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 17.320, 133.629$, and $33, 17.375, 133.818$ is the 20% darker color. If you saturate the color by 10%, you get $52, 25.629, 133.303$, and if you desaturate by 10%, it is $54, 8.790, 134.256$.

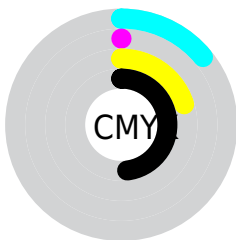
Distribution



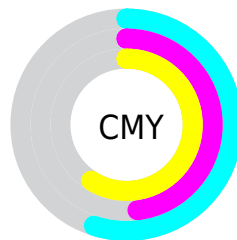
- Red (45%)
- Green (52%)
- Blue (41%)



- Red (41%)
- Yellow (52%)
- Blue (48%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (48%)




- Cyan (55%)
- Magenta (48%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 17.225, 133.794 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 53, 17.225, 133.794 by changing the saturation by 10% instead.

 53, 17.225,
133.794


 53, 17.225,
133.794


 100, 17.225,
133.794


 43, 17.225,
133.794


 73, 17.225,
133.794

 33, 17.225,
133.794

 83, 17.225,
133.794

 23, 17.225,
133.794

 93, 17.225,
133.794

 13, 17.225,
133.794

 3, 17.225, 133.794

 0, 17.225, 133.794

■ 53, 17.225,
133.794

■ 53, 17.225,
133.794

■ 52, 25.629,
133.303

■ 54, 8.790, 134.256

■ 51, 33.900,
132.790

■ 55, 0.390, 134.975

■ 56, 7.923, 315.004

■ 51, 41.905,
132.284

■ 57, 16.113,
315.336

■ 50, 49.456,
131.834

■ 59, 24.156,
315.623

■ 49, 56.299,
131.515

■ 60, 32.035,
315.872

■ 49, 62.117,
131.433


■ 61, 39.742,
316.089

■ 49, 66.578,
131.704

■ 63, 47.272,
316.275

■ 48, 69.838,

132.113

 64, 54.624,
316.436

Harmonies

Complementary

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



53, 17.225, 133.794



47, 17.518, 315.502

Rectangle

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



53, 17.225, 133.794



53, 17.225, 183.794



53, 17.225, 313.794



53, 17.225, 3.794

Sweetspot

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



53, 17.226, 133.795



69, 6.209, 134.450



52, 11.092, 88.620



36, 4.152, 134.426



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 17.226, 133.795



67, 25.999, 133.548



52, 17.014, 148.044



28, 4.752, 134.316



48, 69.131, 132.094



1, 1.137, 134.672

Inverse Universe

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



47, 17.518, 315.502



58, 26.549, 315.720



48, 17.065, 330.589



26, 4.793, 315.019



22, 72.987, 316.627



0, 1.137, 314.669

Previews

White Background



This preview shows how the CIE LCh color 53, 17.225, 133.794 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 53, 17.225, 133.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

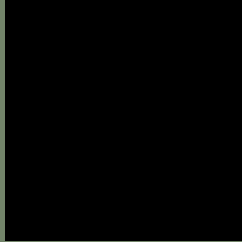
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

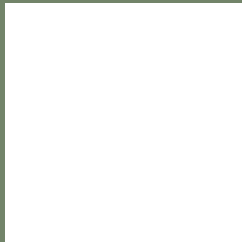
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 17.225, 133.794

Background



This preview shows how black text looks on a background with the CIELCh color 53, 17.225, 133.794.



This preview shows how white text looks on a background with the CIELCh color 53, 17.225, 133.794.

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
53, 17.225, 133.794

Protanopia
53, 14.226, 94.448

Deuteranopia
53, 13.209, 60.717



Tritanopia
53, 6.984, 265.328

Trichromacy



Original Color
53, 17.225, 133.794

Protanomaly
53, 14.353, 110.058

Deuteranomaly
53, 12.003, 92.255

Tritanomaly
53, 5.036, 178.772

Monochromacy



Original Color
53, 17.225, 133.794

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 6.296, 132.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 17.225, 133.794 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(114, 132, 105)` looks like.

```
.text, #text, p{  
    color:rgb(114, 132, 105)  
}
```

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(114, 132, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 132, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 17.225, 133.794 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(114, 132, 105) }
```

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

```
.border{ border-color:rgb(114, 132, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 132, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 132, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 132, 105);  
box-shadow:4px 4px 4px 4px rgb(114, 132,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 17.225, 133.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 132, 105) }
```

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

```
.background{ background-color: rgb(114,  
132, 105) }
```

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