

Converting Colors

CIELCh(53, 10.653, 212.373)

Have a look what the booklet for
CIELCh(53, 10.653, 212.373)
contains.

| | |
|--|----|
| CIELCh(53, 10.835, 210.798) | 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, 10.835, 210.798)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 678488 |
| RGB | 103, 132, 136 |
| RGB Percent | 40%, 52%, 53% |
| CMY | 0.5973, 0.4836, 0.4680 |
| CMYK | 0.24, 0.03, 0.00, 0.47 |
| HSL | 187°, 14%, 47% |
| HSV | 187°, 24%, 53% |
| XYZ | 18.1840, 21.0462, 26.2734 |
| YIQ | 123.7850, -18.5680, -4.9040 |

Conversions

Conversions Part 2

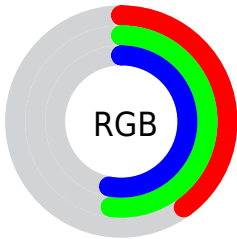
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 103, 118, 136 |
| Decimal | 6784136 |
| CIE _{Lab} | 53.00, -9.31, -5.55 |
| CIE _{LCh} | 53, 10.835, 210.798 |
| Yxy | 21.0462, 0.2776, 0.3213 |
| Android (android.graphics.Color) | 4284974216 (0xFF678488) |
| YUV | 123.7850, 6.0220, -18.2284 |
| Hunter-Lab | 45.8761, -9.5309, -1.8423 |

Details

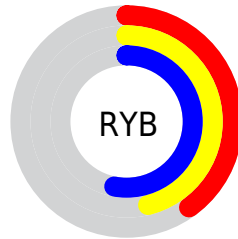
The CIELCh color $53, 10.835, 210.798$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $48, 12.746, 31.370$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 10.735, 210.358$, and $33, 10.853, 208.069$ is the 20% darker color. If you saturate the color by 10%, you get $52, 14.735, 210.974$, and if you desaturate by 10%, it is $54, 6.578, 210.753$.

Distribution



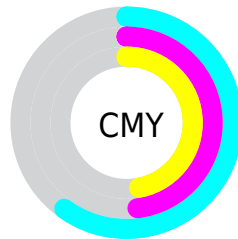
- Red (40%)
- Green (52%)
- Blue (53%)



- Red (40%)
- Yellow (46%)
- Blue (53%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (47%)





- Cyan (60%)
- Magenta (48%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 10.835, 210.798 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, 10.835, 210.798 by changing the saturation by 10% instead.


 53, 10.835,
210.798


 53, 10.835,
210.798


 100, 10.835,
210.798


 43, 10.835,
210.798


 73, 10.835,
210.798

 33, 10.835,
210.798

 83, 10.835,
210.798

 23, 10.835,
210.798

 93, 10.835,
210.798

 13, 10.835,
210.798

 3, 10.835, 210.798

 0, 10.835, 210.798

■ 53, 10.835,
210.798

■ 53, 10.835,
210.798

■ 52, 14.735,
210.974

■ 54, 6.578, 210.753

■ 50, 18.207,
211.320

■ 56, 2.034, 210.934

■ 57, 2.734, 30.695

■ 49, 21.180,
211.864

■ 59, 7.672, 30.974

■ 48, 23.597,
212.644

■ 61, 12.732, 31.223

■ 63, 17.875, 31.495

■ 47, 25.420,
213.707

■ 65, 23.072, 31.787

■ 47, 26.642,
215.096

■ 66, 28.297, 32.094

■ 68, 33.530, 32.410

■ 46, 27.307,
216.847

■ 46, 27.593,

Harmonies

Complementary

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



53, 10.835, 210.798



48, 12.746, 31.370

Rectangle

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



53, 10.835, 210.798



53, 10.835, 260.798



53, 10.835, 30.798



53, 10.835, 80.798

Sweetspot

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



53, 10.835, 210.792



70, 4.053, 210.833



53, 21.449, 146.167



37, 2.651, 210.823



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 10.835, 210.792



67, 15.681, 210.870



48, 12.705, 270.438



28, 2.661, 210.796



45, 27.143, 217.848



1, 1.264, 210.789

Inverse Universe

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



48, 21.422, 329.305



59, 31.569, 329.617



52, 12.968, 83.870



27, 5.006, 328.413



30, 64.839, 333.560



0, 2.310, 327.920

Previews

White Background



This preview shows how the CIELCh color 53, 10.835, 210.798 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, 10.835, 210.798 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

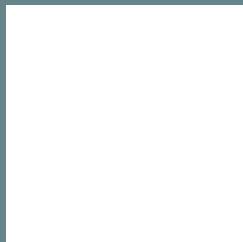
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 10.835, 210.798

Background



This preview shows how black text looks on a background with the CIELCh color 53, 10.835, 210.798.



This preview shows how white text looks on a background with the CIELCh color 53, 10.835, 210.798.

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, 10.835, 210.798

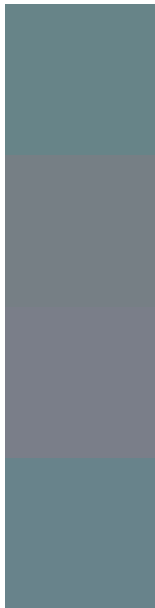
Protanopia
53, 4.145, 301.558

Deuteranopia
53, 9.562, 315.093



Tritanopia
53, 11.184, 229.908

Trichromacy



Original Color
53, 10.835, 210.798

Protanomaly
53, 4.843, 245.189

Deuteranomaly
53, 6.521, 277.458

Tritanomaly
53, 10.736, 224.225

Monochromacy



Original Color
53, 10.835, 210.798

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.028, 215.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 10.835, 210.798 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(103, 132, 136)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 136)  
}
```

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(103, 132, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 10.835, 210.798 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(103, 132, 136) }
```

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

```
.border{ border-color:rgb(103, 132, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 132, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 132, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 132, 136);  
box-shadow:4px 4px 4px 4px rgb(103, 132,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 10.835, 210.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 136) }
```

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

```
.background{ background-color: rgb(103,  
132, 136) }
```

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