

Converting Colors

CIELCh(53, 28.507, 214.126)

Have a look what the booklet for
CIELCh(53, 28.507, 214.126)
contains.

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Color

CIELCh(53, 28.577, 213.609)

Conversions

Conversions Part 1

Format	Color
Hex	218B99
RGB	33, 139, 153
RGB Percent	13%, 55%, 60%
CMY	0.8714, 0.4554, 0.4005
CMYK	0.79, 0.09, 0.00, 0.40
HSL	187°, 65%, 36%
HSV	187°, 79%, 60%
XYZ	15.5755, 21.0462, 33.3258
YIQ	108.9020, -67.6700, -18.1180

Conversions

Conversions Part 2

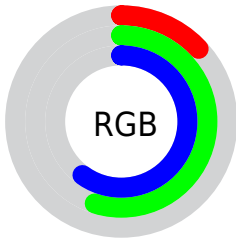
Format	Color
R_{YB}	33, 89, 153
Decimal	2198425
CIE Lab	53.00, -23.80, -15.82
CIE LCh	53, 28.577, 213.609
Yxy	21.0462, 0.2227, 0.3009
Android (android.graphics.Color)	4280388505 (0xFF218B99)
YUV	108.9020, 21.7403, -66.5661
Hunter-Lab	45.8761, -19.6802, -10.9568

Details

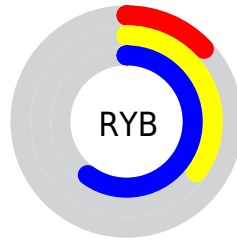
The CIELCh color **53, 28.577, 213.609** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 54.710, 37.521**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 28.607, 213.002**, and **34, 22.475, 218.403** is the 20% darker color. If you saturate the color by 10%, you get **52, 29.594, 215.123**, and if you desaturate by 10%, it is **54, 26.899, 212.437**.

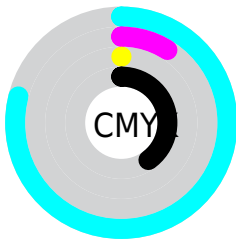
Distribution



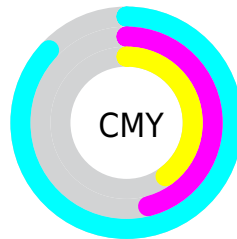
- Red (13%)
- Green (55%)
- Blue (60%)



- Red (13%)
- Yellow (35%)
- Blue (60%)



- Cyan (79%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (87%)
- Magenta (46%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 28.577, 213.609 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, 28.577, 213.609 by changing the saturation by 10% instead.


 53, 28.577,
213.609


 53, 28.577,
213.609


 100, 28.577,
213.609


 43, 28.577,
213.609


 73, 28.577,
213.609

 33, 28.577,
213.609

 83, 28.577,
213.609

 23, 28.577,
213.609

 93, 28.577,
213.609

 13, 28.577,
213.609

 3, 28.577, 213.609

 0, 28.577, 213.609

■ 53, 28.577,
213.609

■ 53, 28.577,
213.609

■ 52, 29.594,
215.123

■ 54, 26.899,
212.437

■ 52, 30.093,
216.957

■ 55, 24.547,
211.565

■ 51, 30.159,
217.228

■ 56, 21.548,
210.948

■ 57, 17.958,
210.544

■ 59, 13.852,
210.317

■ 60, 9.309, 210.239

■ 62, 4.410, 210.312

■ 63, 0.769, 29.724

Harmonies

Complementary

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



53, 28.577, 213.609



36, 54.710, 37.521

Rectangle

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



53, 28.577, 213.609



53, 28.577, 263.609



53, 28.577, 33.609



53, 28.577, 83.609

Sweetspot

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



53, 28.576, 213.608



75, 14.644, 210.268



55, 70.285, 139.497



39, 9.918, 210.305



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



53, 28.576, 213.608



66, 36.401, 216.470



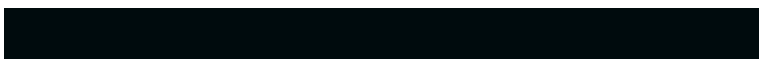
35, 45.323, 283.642



32, 2.914, 210.300



47, 28.334, 217.049



2, 3.197, 211.516

Inverse Universe

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



37, 66.689, 332.253



46, 86.743, 333.185



48, 47.477, 74.493



30, 5.483, 328.279



32, 67.735, 333.363



1, 5.845, 328.138

Previews

White Background



This preview shows how the CIELCh color 53, 28.577, 213.609 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, 28.577, 213.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

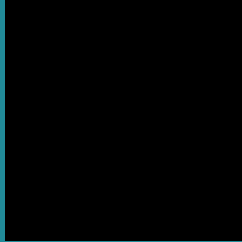
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 28.577, 213.609

Background



This preview shows how black text looks on a background with the CIELCh color 53, 28.577, 213.609.

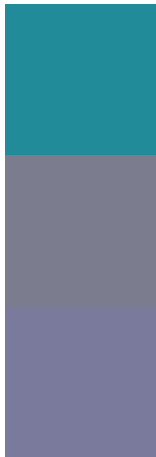


This preview shows how white text looks on a background with the CIELCh color 53, 28.577, 213.609.

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, 28.577, 213.609

Protanopia

53, 10.443, 287.366

Deuteranopia

53, 19.143, 291.465



Tritanopia
53, 28.780, 211.006

Trichromacy



Original Color
53, 28.577, 213.609

Protanomaly
52, 16.456, 235.452

Deuteranomaly
52, 19.352, 250.285

Tritanomaly
53, 28.673, 212.303

Monochromacy



Original Color
53, 28.577, 213.609

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 14.182, 210.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 28.577, 213.609 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(33, 139, 153)` looks like.

```
.text, #text, p{  
    color:rgb(33, 139, 153)  
}
```

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(33, 139, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 139, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 28.577, 213.609 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(33, 139, 153) }
```

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

```
.border{ border-color:rgb(33, 139, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 139, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 139, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 139, 153);  
box-shadow:4px 4px 4px 4px rgb(33, 139,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 28.577, 213.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 139, 153) }
```

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

```
.background{ background-color: rgb(33, 139,  
153) }
```

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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