

Converting Colors

CIELCh(53, 28.878, 222.296)

Have a look what the booklet for
CIELCh(53, 28.878, 222.296)
contains.

CIELCh(53, 28.820, 222.386)	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, 28.820, 222.386)

Conversions

Conversions Part 1

Format	Color
Hex	218A9F
RGB	33, 138, 159
RGB Percent	13%, 54%, 62%
CMY	0.8697, 0.4583, 0.3760
CMYK	0.79, 0.13, 0.00, 0.38
HSL	190°, 65%, 38%
HSV	190°, 79%, 62%
XYZ	16.0086, 21.0462, 36.0761
YIQ	108.9990, -69.3210, -15.7290

Conversions

Conversions Part 2

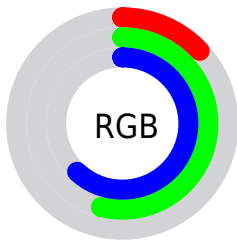
Format	Color
R _Y B	33, 90, 159
Decimal	2198175
CIE Lab	53.00, -21.29, -19.43
CIE LCh	53, 28.820, 222.386
Yxy	21.0462, 0.2189, 0.2878
Android (android.graphics.Color)	4280388255 (0xFF218A9F)
YUV	108.9990, 24.6505, -66.6511
Hunter-Lab	45.8761, -17.9950, -14.5112

Details

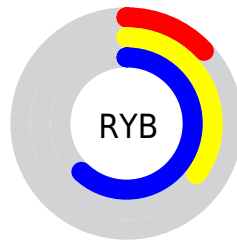
The CIELCh color **53, 28.820, 222.386** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 55.563, 40.243**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 28.843, 222.318**, and **34, 23.158, 230.393** is the 20% darker color. If you saturate the color by 10%, you get **52, 29.914, 224.795**, and if you desaturate by 10%, it is **54, 27.100, 220.472**.

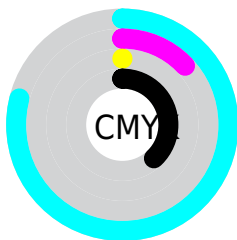
Distribution



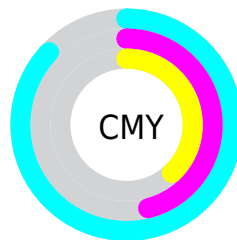
- Red (13%)
- Green (54%)
- Blue (62%)



- Red (13%)
- Yellow (35%)
- Blue (62%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)





- Cyan (87%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 28.820, 222.386 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, 28.820, 222.386 by changing the saturation by 10% instead.


 53, 28.820,
222.386


 53, 28.820,
222.386


 100, 28.820,
222.386


 43, 28.820,
222.386


 73, 28.820,
222.386

 33, 28.820,
222.386

 83, 28.820,
222.386

 23, 28.820,
222.386

 93, 28.820,
222.386

 13, 28.820,
222.386

 3, 28.820, 222.386

 0, 28.820, 222.386

■ 53, 28.820,
222.386

■ 53, 28.820,
222.386

■ 52, 29.914,
224.795

■ 54, 27.100,
220.472

■ 51, 30.550,
227.649

■ 55, 24.731,
218.990

■ 51, 30.605,
227.900

■ 57, 21.730,
217.871

■ 58, 18.152,
217.050

■ 60, 14.065,
216.474

■ 62, 9.551, 216.098

■ 64, 4.685, 215.909

■ 66, 0.458, 34.679



Harmonies

Complementary

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



53, 28.820, 222.386



38, 55.563, 40.243

Rectangle

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



53, 28.820, 222.386



53, 28.820, 272.386



53, 28.820, 42.386



53, 28.820, 92.386

Sweetspot

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



53, 28.819, 222.385



77, 14.571, 216.275



57, 70.034, 141.070



40, 9.973, 216.414



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



53, 28.819, 222.385



66, 36.874, 227.010



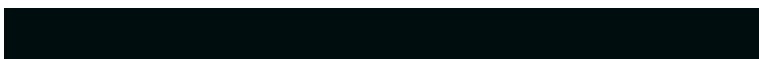
34, 52.574, 288.883



33, 2.887, 215.910



46, 28.273, 227.570



3, 3.799, 219.062

Inverse Universe

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



38, 66.706, 334.475



48, 86.071, 335.842



52, 50.296, 80.222



31, 5.439, 329.914



32, 66.060, 336.010



1, 6.926, 330.396

Previews

White Background



This preview shows how the CIELCh color 53, 28.820, 222.386 looks on a white background.

Color Contrast Check

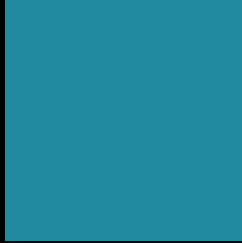
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.820, 222.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

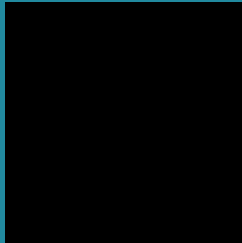
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 28.820, 222.386

Background



This preview shows how black text looks on a background with the CIELCh color 53, 28.820, 222.386.



This preview shows how white text looks on a background with the CIELCh color 53, 28.820, 222.386.

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, 28.820, 222.386

Protanopia

53, 14.521, 286.215

Deuteranopia

53, 22.037, 288.354



Tritanopia
53, 29.632, 209.331

Trichromacy



Original Color
53, 28.820, 222.386

Protanomaly
52, 18.589, 244.709

Deuteranomaly
52, 22.177, 256.091

Tritanomaly
53, 29.183, 214.430

Monochromacy



Original Color
53, 28.820, 222.386

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 14.317, 214.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 28.820, 222.386 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, 138, 159)` looks like.

```
.text, #text, p{  
    color:rgb(33, 138, 159)  
}
```

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, 138, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 138, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 28.820, 222.386 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, 138, 159) }
```

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

```
.border{ border-color:rgb(33, 138, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 138, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 138, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 138, 159);  
box-shadow:4px 4px 4px 4px rgb(33, 138,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 28.820, 222.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 138, 159) }
```

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

```
.background{ background-color: rgb(33, 138,  
159) }
```

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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