

Converting Colors

CIELCh(53, 27.169, 222.533)

Have a look what the booklet for
CIELCh(53, 27.169, 222.533)
contains.

CIELCh(53, 27.224, 221.315)	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, 27.224, 221.315)

Conversions

Conversions Part 1

Format	Color
Hex	2D8A9D
RGB	45, 138, 157
RGB Percent	18%, 54%, 62%
CMY	0.8254, 0.4602, 0.3857
CMYK	0.72, 0.12, 0.00, 0.39
HSL	190°, 56%, 39%
HSV	190°, 72%, 61%
XYZ	16.1550, 21.0462, 34.9502
YIQ	112.3590, -61.5270, -13.8070

Conversions

Conversions Part 2

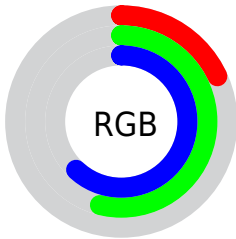
Format	Color
RYB	45, 96, 157
Decimal	2984605
CIELab	53.00, -20.45, -17.97
CIELCh	53, 27.224, 221.315
Yxy	21.0462, 0.2239, 0.2917
Android (android.graphics.Color)	4281174685 (0xFF2D8A9D)
YUV	112.3590, 22.0080, -59.0738
Hunter-Lab	45.8761, -17.4253, -13.0561

Details

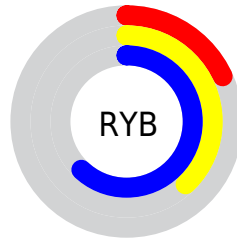
The CIELCh color **53, 27.224, 221.315** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 48.665, 39.372**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 27.393, 221.239**, and **34, 22.828, 227.121** is the 20% darker color. If you saturate the color by 10%, you get **52, 28.777, 223.374**, and if you desaturate by 10%, it is **54, 25.032, 219.707**.

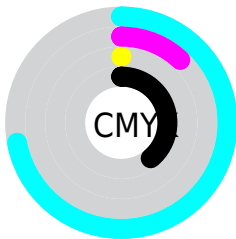
Distribution



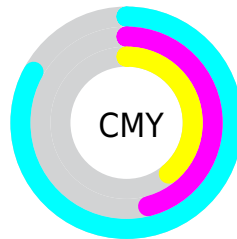
- Red (18%)
- Green (54%)
- Blue (62%)



- Red (18%)
- Yellow (38%)
- Blue (62%)



- Cyan (72%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)





- Cyan (83%)
- Magenta (46%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 27.224, 221.315 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, 27.224, 221.315 by changing the saturation by 10% instead.


 53, 27.224,
221.315


 53, 27.224,
221.315


 100, 27.224,
221.315


 43, 27.224,
221.315


 73, 27.224,
221.315

 33, 27.224,
221.315

 83, 27.224,
221.315

 23, 27.224,
221.315

 93, 27.224,
221.315

 13, 27.224,
221.315

 3, 27.224, 221.315

 0, 27.224, 221.315

■ 53, 27.224,
221.315

■ 53, 27.224,
221.315

■ 52, 28.777,
223.374

■ 54, 25.032,
219.707

■ 51, 29.733,
225.950

■ 56, 22.214,
218.482

■ 50, 30.256,
228.411

■ 57, 18.814,
217.574

■ 59, 14.897,
216.925

■ 61, 10.541,
216.489

■ 62, 5.822, 216.238

■ 64, 0.813, 216.565

■ 66, 4.421, 35.840

Harmonies

Complementary

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



53, 27.224, 221.315



39, 48.665, 39.372

Rectangle

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



53, 27.224, 221.315



53, 27.224, 271.315



53, 27.224, 41.315



53, 27.224, 91.315

Sweetspot

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



53, 27.223, 221.314



77, 12.729, 216.483



57, 64.217, 142.219



40, 8.525, 216.575



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



53, 27.223, 221.314



66, 35.794, 224.880



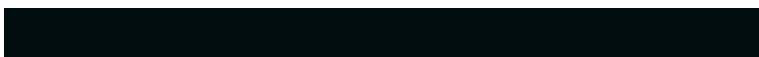
36, 46.542, 286.294



33, 2.882, 216.210



46, 28.274, 228.123



3, 3.793, 219.392

Inverse Universe

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



39, 62.147, 334.049



48, 83.408, 335.227



52, 45.536, 81.481



31, 5.429, 330.002



32, 65.932, 336.154



1, 6.912, 330.495

Previews

White Background



This preview shows how the CIELCh color 53, 27.224, 221.315 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, 27.224, 221.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

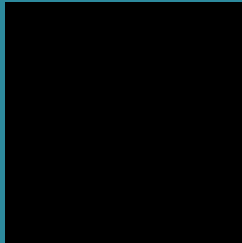
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 27.224, 221.315

Background



This preview shows how black text looks on a background with the CIELCh color 53, 27.224, 221.315.

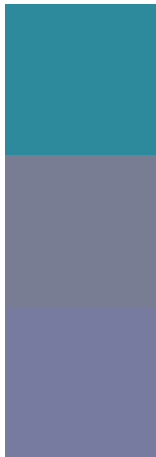


This preview shows how white text looks on a background with the CIELCh color 53, 27.224, 221.315.

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, 27.224, 221.315

Protanopia
53, 13.373, 285.537

Deuteranopia
53, 21.462, 290.007



Tritanopia
53, 27.727, 210.372

Trichromacy



Original Color
53, 27.224, 221.315

Protanomaly
52, 17.066, 244.394

Deuteranomaly
52, 20.863, 258.990

Tritanomaly
53, 27.467, 213.094

Monochromacy



Original Color
53, 27.224, 221.315

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 12.807, 217.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 27.224, 221.315 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(45, 138, 157)` looks like.

```
.text, #text, p{  
    color:rgb(45, 138, 157)  
}
```

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(45, 138, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 138, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 27.224, 221.315 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(45, 138, 157) }
```

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

```
.border{ border-color:rgb(45, 138, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 138, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 138, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 138, 157);  
box-shadow:4px 4px 4px 4px rgb(45, 138,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 27.224, 221.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 138, 157) }
```

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

```
.background{ background-color: rgb(45, 138,  
157) }
```

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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