

Converting Colors

CIELCh(53, 27.038, 223.200)

Have a look what the booklet for
CIELCh(53, 27.038, 223.200)
contains.

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Color

CIELCh(53, 27.001, 224.390)

Conversions

Conversions Part 1

Format	Color
Hex	2F899E
RGB	47, 137, 158
RGB Percent	18%, 54%, 62%
CMY	0.8144, 0.4618, 0.3795
CMYK	0.70, 0.13, 0.00, 0.38
HSL	191°, 54%, 40%
HSV	191°, 70%, 62%
XYZ	16.3576, 21.0462, 35.6555
YIQ	112.4840, -60.3810, -12.5490

Conversions

Conversions Part 2

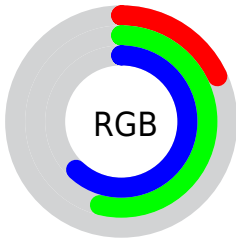
Format	Color
RYB	47, 97, 158
Decimal	3115422
CIELab	53.00, -19.29, -18.89
CIElCh	53, 27.001, 224.390
Yxy	21.0462, 0.2239, 0.2881
Android (android.graphics.Color)	4281305502 (0xFF2F899E)
YUV	112.4840, 22.4394, -57.4295
Hunter-Lab	45.8761, -16.6371, -13.9676

Details

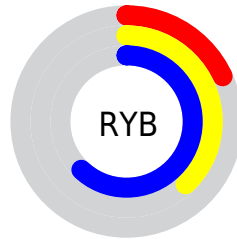
The CIELCh color **53, 27.001, 224.390** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 47.324, 40.521**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 27.029, 224.232**, and **34, 23.013, 230.712** is the 20% darker color. If you saturate the color by 10%, you get **52, 28.714, 226.669**, and if you desaturate by 10%, it is **54, 24.668, 222.600**.

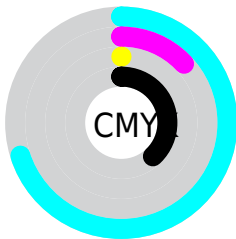
Distribution



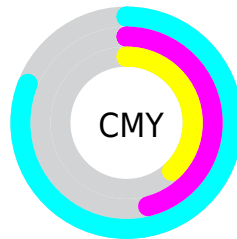
- Red (18%)
- Green (54%)
- Blue (62%)



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



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)





- Cyan (81%)
- Magenta (46%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 27.001, 224.390 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, 27.001, 224.390 by changing the saturation by 10% instead.

 53, 27.001,
224.390


 53, 27.001,
224.390


 100, 27.001,
224.390


 43, 27.001,
224.390


 73, 27.001,
224.390

 33, 27.001,
224.390

 83, 27.001,
224.390

 23, 27.001,
224.390

 93, 27.001,
224.390

 13, 27.001,
224.390

 3, 27.001, 224.390

 0, 27.001, 224.390

■ 53, 27.001,
224.390

■ 53, 27.001,
224.390

■ 52, 28.714,
226.669

■ 54, 24.668,
222.600

■ 51, 29.847,
229.508

■ 56, 21.731,
221.224

■ 49, 30.597,
232.759

■ 58, 18.233,
220.190

■ 59, 14.242,
219.432

■ 61, 9.832, 218.902

■ 63, 5.078, 218.575

■ 65, 0.051, 227.199

■ 67, 5.189, 38.033

■ 69, 10.588, 38.032

Harmonies

Complementary

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



53, 27.001, 224.390



41, 47.324, 40.521

Rectangle

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



53, 27.001, 224.390



53, 27.001, 274.390



53, 27.001, 44.390



53, 27.001, 94.390

Sweetspot

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



53, 27.000, 224.389



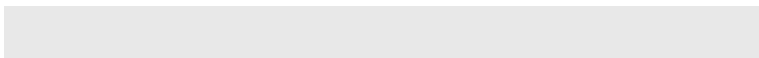
78, 12.713, 218.960



58, 62.958, 142.919



41, 8.602, 219.085



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, 27.000, 224.389



66, 35.839, 228.168



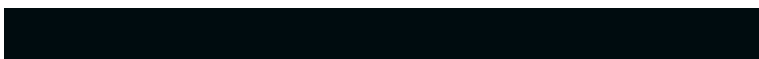
36, 47.053, 286.976



32, 2.848, 218.558



45, 28.368, 232.401



3, 3.752, 221.947

Inverse Universe

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



40, 60.982, 334.812



49, 82.404, 336.059



54, 45.410, 83.103



31, 5.353, 330.687



32, 64.963, 337.287



1, 6.805, 331.268

Previews

White Background



This preview shows how the CIELCh color 53, 27.001, 224.390 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, 27.001, 224.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

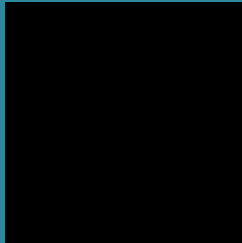
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 27.001, 224.390

Background



This preview shows how black text looks on a background with the CIELCh color 53, 27.001, 224.390.



This preview shows how white text looks on a background with the CIELCh color 53, 27.001, 224.390.

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, 27.001, 224.390

Protanopia
53, 14.521, 286.215

Deuteranopia
53, 21.463, 288.149



Tritanopia
53, 27.456, 210.530

Trichromacy



Original Color
53, 27.001, 224.390

Protanomaly
52, 17.824, 250.444

Deuteranomaly
52, 20.992, 258.245

Tritanomaly
53, 27.066, 216.036

Monochromacy



Original Color
53, 27.001, 224.390

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 12.493, 217.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 27.001, 224.390 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(47, 137, 158)` looks like.

```
.text, #text, p{  
    color:rgb(47, 137, 158)  
}
```

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(47, 137, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 137, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 27.001, 224.390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

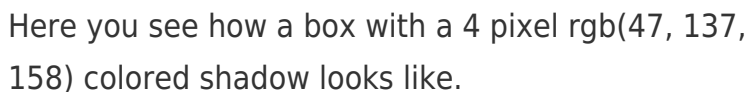
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 137, 158) }
```

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

```
.border{ border-color:rgb(47, 137, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 137, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 137, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 137, 158);  
box-shadow:4px 4px 4px 4px rgb(47, 137,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 27.001, 224.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 137, 158) }
```

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

```
.background{ background-color: rgb(47, 137,  
158) }
```

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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