

Converting Colors

CIELCh(53, 27.199, 193.090)

Have a look what the booklet for
CIELCh(53, 27.199, 193.090)
contains.

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Color

CIELCh(53, 27.199, 193.090)

Conversions

Conversions Part 1

Format	Color
Hex	338B88
RGB	51, 139, 136
RGB Percent	20%, 55%, 53%
CMY	0.7987, 0.4538, 0.4656
CMYK	0.63, 0.00, 0.02, 0.45
HSL	178°, 46%, 37%
HSV	178°, 63%, 55%
XYZ	15.1203, 21.0462, 26.6630
YIQ	112.3460, -51.4850, -19.5890

Conversions

Conversions Part 2

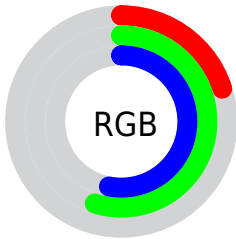
Format	Color
RYB	51, 96, 139
Decimal	3378056
CIELab	53.00, -26.49, -6.16
CIElCh	53, 27.199, 193.090
Yxy	21.0462, 0.2407, 0.3350
Android (android.graphics.Color)	4281568136 (0xFF338B88)
YUV	112.3460, 11.6614, -53.8004
Hunter-Lab	45.8761, -21.4516, -2.3458

Details

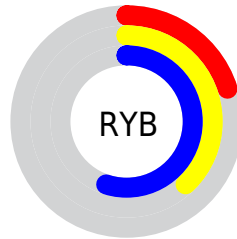
The CIELCh color **53, 27.199, 193.090** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 41.727, 25.454**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 27.374, 192.728**, and **33, 23.446, 193.200** is the 20% darker color. If you saturate the color by 10%, you get **53, 29.534, 192.617**, and if you desaturate by 10%, it is **53, 24.219, 193.579**.

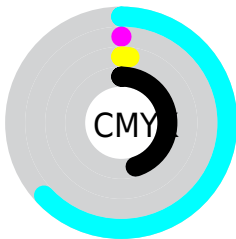
Distribution



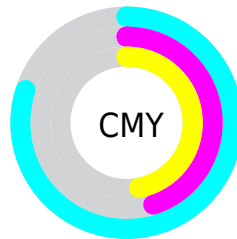
- Red (20%)
- Green (55%)
- Blue (53%)



- Red (20%)
- Yellow (38%)
- Blue (55%)



- Cyan (63%)
- Magenta (0%)
- Yellow (2%)
- Black (45%)





- Cyan (80%)
- Magenta (45%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 27.199, 193.090 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, 27.199, 193.090 by changing the saturation by 10% instead.


 53, 27.199,
193.090


 53, 27.199,
193.090


 100, 27.199,
193.090


 43, 27.199,
193.090


 73, 27.199,
193.090

 33, 27.199,
193.090

 83, 27.199,
193.090

 23, 27.199,
193.090

 93, 27.199,
193.090

 13, 27.199,
193.090

 3, 27.199, 193.090

 0, 27.199, 193.090

■ 53, 27.199,
193.090

■ 53, 27.199,
193.090

■ 53, 29.534,
192.617

■ 53, 24.219,
193.579

■ 52, 31.215,
192.158

■ 54, 20.634,
194.094

■ 52, 32.274,
191.700

■ 55, 16.510,
194.636

■ 52, 32.818,
191.389

■ 56, 11.924,
195.209

■ 57, 6.959, 195.821

■ 58, 1.699, 196.615

■ 59, 3.781, 16.881

■ 60, 9.414, 17.583

■ 61, 15.144, 18.244

Harmonies

Complementary

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



53, 27.199, 193.090



34, 41.727, 25.454

Rectangle

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



53, 27.199, 193.090



53, 27.199, 243.090



53, 27.199, 13.090



53, 27.199, 63.090

Sweetspot

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



53, 27.199, 193.088



71, 12.261, 195.432



51, 58.032, 138.241



37, 8.442, 195.279



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



53, 27.199, 193.088



67, 36.825, 192.410



41, 27.006, 262.471



29, 2.988, 196.087



50, 31.663, 191.411



1, 1.417, 196.579

Inverse Universe

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



34, 41.727, 25.454



41, 62.978, 30.075



43, 34.383, 62.879



27, 3.149, 17.113



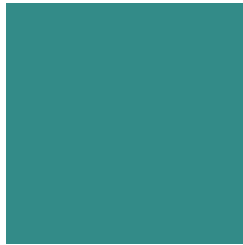
27, 62.070, 37.301



0, 1.417, 16.562

Previews

White Background



This preview shows how the CIELCh color 53, 27.199, 193.090 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, 27.199, 193.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

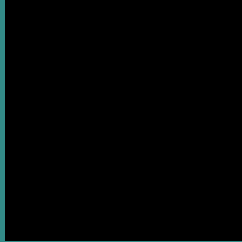
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 27.199, 193.090

Background



This preview shows how black text looks on a background with the CIELCh color 53, 27.199, 193.090.

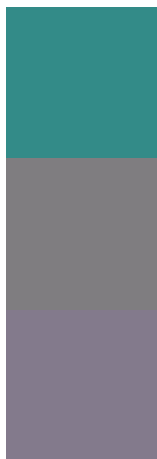


This preview shows how white text looks on a background with the CIELCh color 53, 27.199, 193.090.

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, 27.199, 193.090

Protanopia
53, 1.924, 314.698

Deuteranopia
53, 11.053, 309.625



Tritanopia
53, 24.628, 213.815

Trichromacy



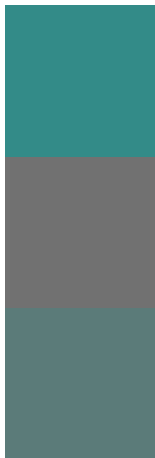
Original Color
53, 27.199, 193.090

Protanomaly
52, 11.472, 201.184

Deuteranomaly
52, 11.196, 233.618

Tritanomaly
53, 25.256, 205.053

Monochromacy



Original Color
53, 27.199, 193.090

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 12.105, 192.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 27.199, 193.090 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(51, 139, 136)` looks like.

```
.text, #text, p{  
    color:rgb(51, 139, 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(51, 139, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 139, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 27.199, 193.090 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(51, 139, 136) }
```

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

```
.border{ border-color:rgb(51, 139, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 139, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 139, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 139, 136);  
box-shadow:4px 4px 4px 4px rgb(51, 139,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 27.199, 193.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 139, 136) }
```

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

```
.background{ background-color: rgb(51, 139,  
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](#).

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