

Converting Colors

CIELCh(51, 30.123, 187.488)

Have a look what the booklet for
CIELCh(51, 30.123, 187.488)
contains.

CIELCh(51, 30.073, 187.429)	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(51, 30.073, 187.429)

Conversions

Conversions Part 1

Format	Color
Hex	22877F
RGB	34, 135, 127
RGB Percent	13%, 53%, 50%
CMY	0.8655, 0.4698, 0.5012
CMYK	0.75, 0.00, 0.06, 0.47
HSL	175°, 60%, 33%
HSV	175°, 75%, 53%
XYZ	13.2066, 19.2686, 23.1710
YIQ	103.8890, -57.6280, -23.9000

Conversions

Conversions Part 2

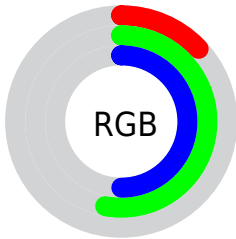
Format	Color
R_{YB}	34, 87, 135
Decimal	2262911
CIE _{Lab}	51.00, -29.82, -3.89
CIE _{LCh}	51, 30.073, 187.429
Yxy	19.2686, 0.2373, 0.3463
Android (android.graphics.Color)	4280452991 (0xFF22877F)
YUV	103.8890, 11.3937, -61.2927
Hunter-Lab	43.8960, -23.1146, -0.5696

Details

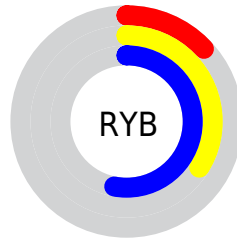
The CIELCh color **51, 30.073, 187.429** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **31, 47.602, 25.817**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 30.101, 187.590**, and **32, 24.109, 185.412** is the 20% darker color. If you saturate the color by 10%, you get **51, 31.822, 186.600**, and if you desaturate by 10%, it is **51, 27.694, 188.209**.

Distribution



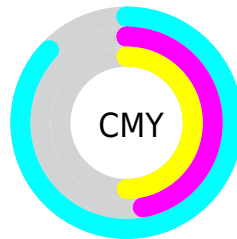
- Red (13%)
- Green (53%)
- Blue (50%)



- Red (13%)
- Yellow (34%)
- Blue (53%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (47%)





- Cyan (87%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 30.073, 187.429 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 51, 30.073, 187.429 by changing the saturation by 10% instead.


 51, 30.073,
187.429


 51, 30.073,
187.429


 100, 30.073,
187.429


 41, 30.073,
187.429


 71, 30.073,
187.429

 31, 30.073,
187.429

 81, 30.073,
187.429

 21, 30.073,
187.429

 91, 30.073,
187.429

 11, 30.073,
187.429

 1, 30.073, 187.429

 0, 30.073, 187.429

■ 51, 30.073,
187.429

■ 51, 30.073,
187.429

■ 51, 31.822,
186.600

■ 51, 27.694,
188.209

■ 51, 32.984,
185.714

■ 52, 24.694,
188.958

■ 51, 33.517,
185.239

■ 52, 21.115,
189.688

■ 53, 17.022,
190.408

■ 54, 12.492,
191.126

■ 55, 7.609, 191.854

■ 56, 2.454, 192.672

■ 57, 2.899, 13.073

Harmonies

Complementary

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



51, 30.073, 187.429



31, 47.602, 25.817

Rectangle

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



51, 30.073, 187.429



51, 30.073, 237.429



51, 30.073, 7.429



51, 30.073, 57.429

Sweetspot

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



51, 30.073, 187.428



69, 13.920, 191.280



50, 63.964, 136.707



36, 9.367, 191.114



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 30.073, 187.428



65, 39.695, 185.951



38, 29.128, 262.161



29, 3.014, 192.270



50, 33.043, 185.258



1, 1.426, 192.849

Inverse Universe

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



31, 47.602, 25.817



37, 70.051, 32.793



39, 40.724, 58.583



27, 3.161, 13.463



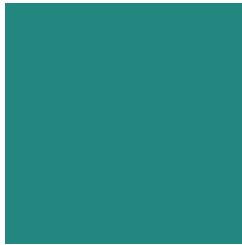
27, 60.724, 35.434



0, 1.426, 12.832

Previews

White Background



This preview shows how the CIELCh color 51, 30.073, 187.429 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 51, 30.073, 187.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

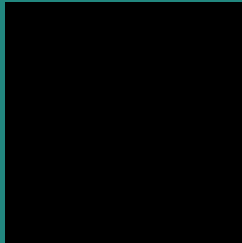
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 30.073, 187.429

Background



This preview shows how black text looks on a background with the CIELCh color 51, 30.073, 187.429.



This preview shows how white text looks on a background with the CIELCh color 51, 30.073, 187.429.

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
51, 30.073, 187.429

Protanopia
51, 1.672, 63.316

Deuteranopia
51, 9.293, 318.815



Tritanopia
51, 25.822, 211.599

Trichromacy



Original Color
51, 30.073, 187.429

Protanomaly
50, 13.543, 185.451

Deuteranomaly
50, 11.416, 216.370

Tritanomaly
51, 26.938, 201.842

Monochromacy



Original Color
51, 30.073, 187.429

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 13.670, 190.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 30.073, 187.429 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(34, 135, 127)` looks like.

```
.text, #text, p{  
    color:rgb(34, 135, 127)  
}
```

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(34, 135, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 135, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 30.073, 187.429 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(34, 135, 127) }
```

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

```
.border{ border-color:rgb(34, 135, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 135, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 135, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 135, 127); box-shadow:4px 4px 4px 4px rgb(34, 135, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 30.073, 187.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 135, 127) }
```

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

```
.background{ background-color: rgb(34, 135,  
127) }
```

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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