

Converting Colors

CIELCh(56, 37.916, 173.654)

Have a look what the booklet for
CIELCh(56, 37.916, 173.654)
contains.

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Color

CIELCh(56, 37.972, 173.729)

Conversions

Conversions Part 1

Format	Color
Hex	20977E
RGB	32, 151, 126
RGB Percent	13%, 59%, 49%
CMY	0.8751, 0.4082, 0.5062
CMYK	0.79, 0.00, 0.17, 0.41
HSL	167°, 65%, 36%
HSV	167°, 79%, 59%
XYZ	15.4030, 23.9124, 23.5130
YIQ	112.5690, -62.8990, -33.0030

Conversions

Conversions Part 2

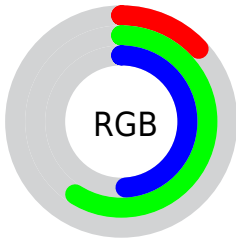
Format	Color
R_{YB}	32, 98, 151
Decimal	2135934
CIE _{Lab}	56.00, -37.74, 4.15
CIE _{LCh}	56, 37.972, 173.729
Yxy	23.9124, 0.2452, 0.3806
Android (android.graphics.Color)	4280326014 (0xFF20977E)
YUV	112.5690, 6.6215, -70.6590
Hunter-Lab	48.9003, -29.3502, 5.7215

Details

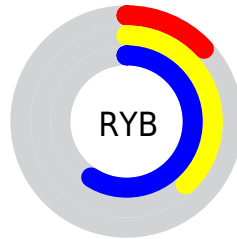
The CIELCh color **56, 37.972, 173.729** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 52.066, 17.826**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 37.828, 173.957**, and **37, 31.443, 169.902** is the 20% darker color. If you saturate the color by 10%, you get **56, 40.339, 172.104**, and if you desaturate by 10%, it is **56, 34.948, 175.193**.

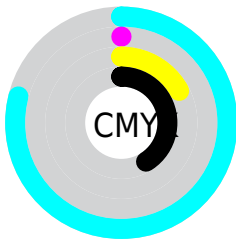
Distribution



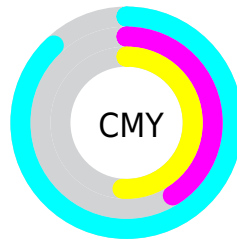
- Red (13%)
- Green (59%)
- Blue (49%)



- Red (13%)
- Yellow (38%)
- Blue (59%)



- Cyan (79%)
- Magenta (0%)
- Yellow (17%)
- Black (41%)





- Cyan (88%)
- Magenta (41%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 37.972, 173.729 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 56, 37.972, 173.729 by changing the saturation by 10% instead.

 56, 37.972,
173.729


 56, 37.972,
173.729


 100, 37.972,
173.729


 46, 37.972,
173.729


 76, 37.972,
173.729

 36, 37.972,
173.729

 86, 37.972,
173.729

 26, 37.972,
173.729

 96, 37.972,
173.729

 16, 37.972,
173.729

 6, 37.972, 173.729

 0, 37.972, 173.729

■ 56, 37.972,
173.729

■ 56, 37.972,
173.729

■ 56, 40.339,
172.104

■ 56, 34.948,
175.193

■ 56, 42.193,
170.361

■ 57, 31.267,
176.517

■ 56, 42.395,
170.174

■ 58, 26.974,
177.724

■ 58, 22.144,
178.834

■ 59, 16.868,
179.867

■ 60, 11.244,
180.843

■ 61, 5.367, 181.795

■ 63, 0.678, 1.980



Harmonies

Complementary

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



56, 37.972, 173.729



34, 52.066, 17.826

Rectangle

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



56, 37.972, 173.729



56, 37.972, 223.729



56, 37.972, 353.729



56, 37.972, 43.729

Sweetspot

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



56, 37.972, 173.728



76, 17.524, 180.304



55, 70.306, 134.100



40, 12.053, 179.979



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 37.972, 173.728



71, 50.779, 170.682



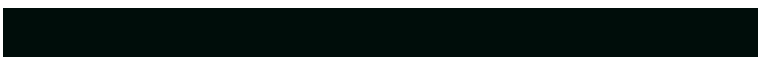
46, 28.401, 243.200



32, 3.448, 181.762



52, 40.120, 170.307



3, 3.795, 181.509

Inverse Universe

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



34, 52.066, 17.826



42, 73.439, 26.381



39, 49.932, 47.521



30, 3.569, 3.269



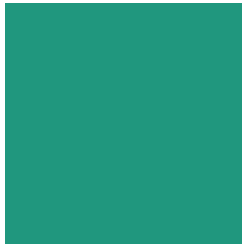
29, 58.531, 27.336



1, 3.768, 2.758

Previews

White Background



This preview shows how the CIELCh color 56, 37.972, 173.729 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 56, 37.972, 173.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

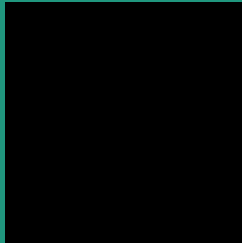
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 37.972, 173.729

Background



This preview shows how black text looks on a background with the CIELCh color 56, 37.972, 173.729.

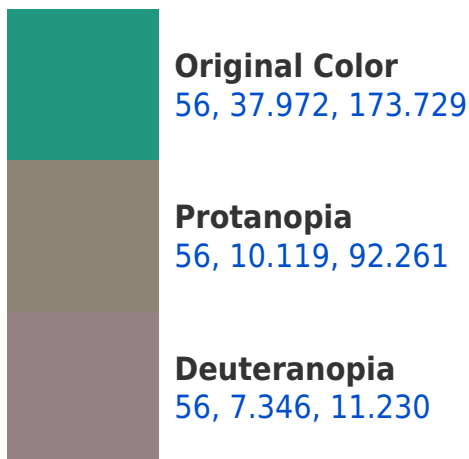


This preview shows how white text looks on a background with the CIELCh color 56, 37.972, 173.729.

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





Tritanopia
56, 27.356, 211.807

Trichromacy



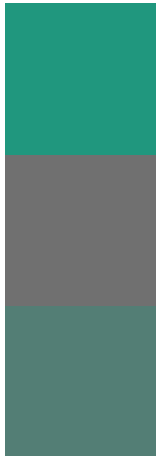
Original Color
56, 37.972, 173.729

Protanomaly
55, 19.049, 160.527

Deuteranomaly
55, 13.050, 177.398

Tritanomaly
56, 29.921, 194.452

Monochromacy



Original Color
56, 37.972, 173.729

Achromatopsia
47, 0.006, 296.813

Achromatomaly
50, 16.994, 179.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 37.972, 173.729 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(32, 151, 126)` looks like.

```
.text, #text, p{  
    color:rgb(32, 151, 126)  
}
```

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(32, 151, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 151, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 37.972, 173.729 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(32, 151, 126) }
```

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

```
.border{ border-color:rgb(32, 151, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 151, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 151, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 151, 126);  
box-shadow:4px 4px 4px 4px rgb(32, 151,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 37.972, 173.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 151, 126) }
```

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

```
.background{ background-color: rgb(32, 151,  
126) }
```

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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