

Converting Colors

CIELCh(56, 19.778, 21.192)

Have a look what the booklet for
CIELCh(56, 19.778, 21.192) contains.

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Color

CIELCh(56, 20.086, 20.053)

Conversions

Conversions Part 1

Format	Color
Hex	AA7A7B
RGB	170, 122, 123
RGB Percent	67%, 48%, 48%
CMY	0.3331, 0.5214, 0.5175
CMYK	0.00, 0.28, 0.28, 0.33
HSL	359°, 22%, 57%
HSV	359°, 28%, 67%
XYZ	27.1306, 23.9124, 21.9390
YIQ	136.4660, 28.2870, 10.4870

Conversions

Conversions Part 2

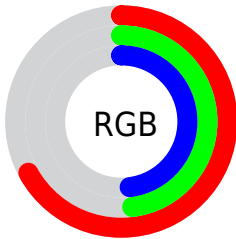
Format	Color
R_{YB}	170, 122, 123
Decimal	11172475
CIE Lab	56.00, 18.87, 6.89
CIE LCh	56, 20.086, 20.053
Yxy	23.9124, 0.3717, 0.3276
Android (android.graphics.Color)	4289362555 (0xFFAA7A7B)
YUV	136.4660, -6.6387, 29.4093
Hunter-Lab	48.9003, 13.4589, 7.6300

Details

The CIELCh color **56, 20.086, 20.053** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **66, 16.758, 196.113**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 19.901, 21.091**, and **36, 20.256, 20.976** is the 20% darker color. If you saturate the color by 10%, you get **52, 28.140, 21.403**, and if you desaturate by 10%, it is **61, 12.505, 19.004**.

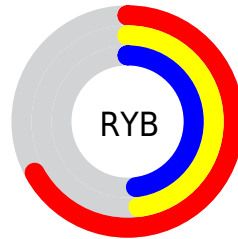
Distribution



Red (67%)

Green (48%)

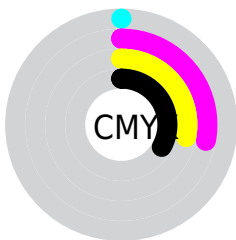
Blue (48%)



Red (67%)

Yellow (48%)

Blue (48%)

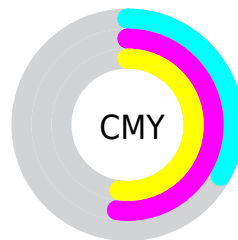


Cyan (0%)

Magenta (28%)

Yellow (28%)

Black (33%)



Cyan (33%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 20.086, 20.053 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, 20.086, 20.053 by changing the saturation by 10% instead.

■ 56, 20.086, 20.053

■ 56, 20.086, 20.053

■ 100, 20.086,
20.053

■ 46, 20.086, 20.053

■ 76, 20.086, 20.053

■ 36, 20.086, 20.053

■ 86, 20.086, 20.053

■ 26, 20.086, 20.053

■ 96, 20.086, 20.053

■ 16, 20.086, 20.053

■ 6, 20.086, 20.053

■ 0, 20.086, 20.053

■ 56, 20.086, 20.053

■ 56, 20.086, 20.053

■ 52, 28.140, 21.403

■ 61, 12.505, 19.004

■ 47, 36.576, 23.137

■ 66, 5.437, 18.137

44, 45.221, 25.372

71, 1.127, 198.011

40, 53.826, 28.201

76, 7.216, 197.125

38, 62.071, 31.623

81, 12.873,
196.671

36, 69.477, 35.357

86, 18.144,
196.310

35, 75.219, 38.539

35, 76.192, 39.043

91, 23.072,
196.012

95, 26.741,
197.769

Harmonies

Complementary

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



56, 20.086, 20.053



66, 16.758, 196.113

Rectangle

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



56, 20.086, 20.053



56, 20.086, 70.053



56, 20.086, 200.053



56, 20.086, 250.053

Sweetspot

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



56, 20.084, 20.058



84, 6.562, 18.130



57, 32.161, 324.996



44, 4.727, 18.253



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 20.084, 20.058



68, 30.706, 20.878



62, 16.629, 68.428



33, 3.723, 18.225



30, 68.283, 38.532



1, 6.577, 17.917

Inverse Universe

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



56, 20.084, 20.058



68, 30.706, 20.878



60, 15.162, 255.892



33, 3.723, 18.225



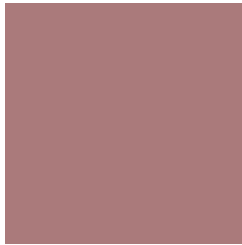
30, 68.283, 38.532



1, 6.577, 17.917

Previews

White Background



This preview shows how the CIELCh color 56, 20.086, 20.053 looks on a white background.

Color Contrast Check

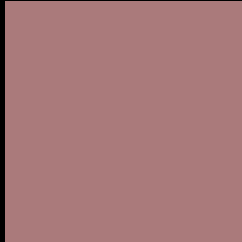
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.086, 20.053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

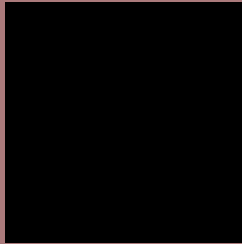
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 20.086, 20.053

Background



This preview shows how black text looks on a background with the CIELCh color 56, 20.086, 20.053.



This preview shows how white text looks on a background with the CIELCh color 56, 20.086, 20.053.

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

56, 20.086, 20.053

Protanopia

56, 3.257, 80.321

Deuteranopia

56, 10.239, 46.506



Tritanopia
56, 21.064, 7.933

Trichromacy



Original Color
56, 20.086, 20.053

Protanomaly
56, 8.359, 31.942

Deuteranomaly
56, 13.698, 32.662

Tritanomaly
56, 20.909, 12.529

Monochromacy



Original Color
56, 20.086, 20.053

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 6.851, 20.064

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 20.086, 20.053 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(170, 122, 123)` looks like.

```
.text, #text, p{  
    color:rgb(170, 122, 123)  
}
```

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(170, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 122, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 20.086, 20.053 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(170, 122, 123) }
```

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

```
.border{ border-color:rgb(170, 122, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 122, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 122, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 122, 123);  
box-shadow:4px 4px 4px 4px rgb(170, 122,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 20.086, 20.053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 122, 123) }
```

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

```
.background{ background-color: rgb(170,  
122, 123) }
```

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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