

Converting Colors

CIELCh(60, 20.756, 57.153)

Have a look what the booklet for
CIELCh(60, 20.756, 57.153) contains.

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Color

CIELCh(60, 20.700, 56.858)

Conversions

Conversions Part 1

Format	Color
Hex	AF8973
RGB	175, 137, 115
RGB Percent	69%, 54%, 45%
CMY	0.3149, 0.4638, 0.5501
CMYK	0.00, 0.22, 0.34, 0.31
HSL	22°, 27%, 57%
HSV	22°, 34%, 69%
XYZ	29.5975, 28.1233, 20.0066
YIQ	145.8540, 29.7100, 1.2140

Conversions

Conversions Part 2

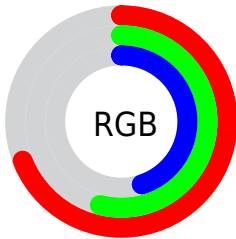
Format	Color
R_{YB}	175, 150, 115
Decimal	11503987
CIE Lab	60.00, 11.32, 17.33
CIE LCh	60, 20.700, 56.858
Yxy	28.1233, 0.3808, 0.3618
Android (android.graphics.Color)	4289694067 (0xFFAF8973)
YUV	145.8540, -15.2110, 25.5610
Hunter-Lab	53.0314, 6.8181, 14.7543

Details

The CIELCh color $60, 20.700, 56.858$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $61, 17.377, 244.350$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 20.860, 55.874$, and $40, 20.545, 56.578$ is the 20% darker color. If you saturate the color by 10%, you get $57, 27.672, 56.117$, and if you desaturate by 10%, it is $63, 14.172, 57.668$.

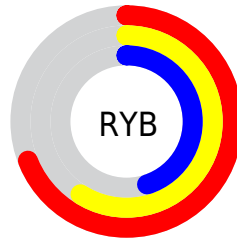
Distribution



Red (69%)

Green (54%)

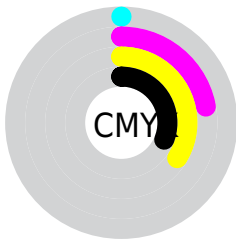
Blue (45%)



Red (69%)

Yellow (59%)

Blue (45%)

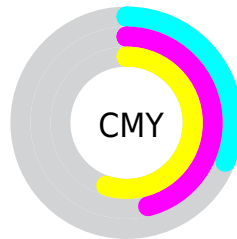


Cyan (0%)

Magenta (22%)

Yellow (34%)

Black (31%)



Cyan (31%)

Magenta (46%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 20.700, 56.858 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 60, 20.700, 56.858 by changing the saturation by 10% instead.

60, 20.700, 56.858

60, 20.700, 56.858

100, 20.700,
56.858

50, 20.700, 56.858

80, 20.700, 56.858

40, 20.700, 56.858

90, 20.700, 56.858

30, 20.700, 56.858

20, 20.700, 56.858

10, 20.700, 56.858

0, 20.700, 56.858

60, 20.700, 56.858

60, 20.700, 56.858

57, 27.672, 56.117

63, 14.172, 57.668

54, 35.080, 55.431

67, 8.068, 58.504

51, 42.856, 54.795

70, 2.356, 59.267

48, 50.812, 54.145

73, 3.004, 240.493

46, 58.514, 53.315

77, 8.050, 241.316

44, 65.112, 51.944

80, 12.819,
242.202

42, 68.544, 51.192

84, 17.345,
243.086

87, 21.657,
243.954

90, 21.423,
225.480

Harmonies

Complementary

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



60, 20.700, 56.858



61, 17.377, 244.350

Rectangle

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



60, 20.700, 56.858



60, 20.700, 106.858



60, 20.700, 236.858



60, 20.700, 286.858

Sweetspot

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



60, 20.700, 56.865



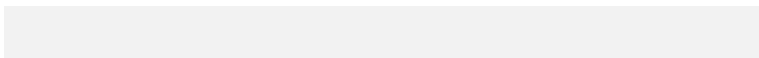
86, 6.870, 58.849



56, 31.362, 339.829



45, 4.747, 58.736



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



60, 20.700, 56.865



74, 31.379, 56.306



68, 28.437, 100.403



35, 3.116, 58.919



37, 61.150, 51.650



3, 6.396, 51.445

Inverse Universe

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



61, 17.377, 244.350



75, 25.204, 245.802



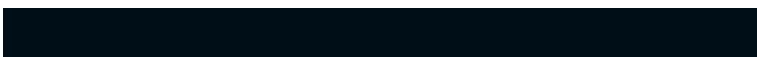
53, 30.144, 288.848



35, 2.991, 240.843



39, 36.797, 266.590



4, 6.672, 251.204

Previews

White Background



This preview shows how the CIELCh color 60, 20.700, 56.858 looks on a white background.

Color Contrast Check

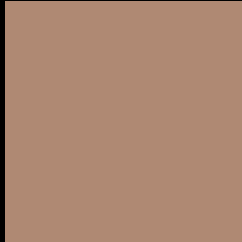
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 60, 20.700, 56.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

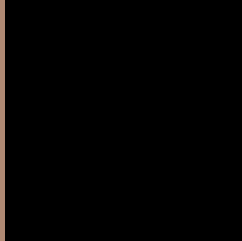
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 20.700, 56.858

Background



This preview shows how black text looks on a background with the CIELCh color 60, 20.700, 56.858.



This preview shows how white text looks on a background with the CIELCh color 60, 20.700, 56.858.

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

60, 20.700, 56.858

Protanopia

60, 15.504, 95.983

Deuteranopia

60, 19.218, 66.631



Tritanopia
60, 18.843, 4.233

Trichromacy



Original Color
60, 20.700, 56.858

Protanomaly
60, 16.243, 78.941

Deuteranomaly
60, 19.760, 62.912

Tritanomaly
60, 17.718, 23.021

Monochromacy



Original Color
60, 20.700, 56.858

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 6.903, 60.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 20.700, 56.858 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(175, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(175, 137, 115)  
}
```

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(175, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 137, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 20.700, 56.858 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(175, 137, 115) }
```

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

```
.border{ border-color:rgb(175, 137, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 137, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(175, 137,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 20.700, 56.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 137, 115) }
```

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

```
.background{ background-color: rgb(175,  
137, 115) }
```

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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