

Converting Colors

CIELCh(60, 9.788, 85.836)

Have a look what the booklet for
CIELCh(60, 9.788, 85.836) contains.

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Color

CIELCh(60, 9.713, 86.891)

Conversions

Conversions Part 1

Format	Color
Hex	999080
RGB	153, 144, 128
RGB Percent	60%, 56%, 50%
CMY	0.4014, 0.4367, 0.4994
CMYK	0.00, 0.06, 0.16, 0.40
HSL	38°, 11%, 55%
HSV	38°, 16%, 60%
XYZ	26.8595, 28.1233, 24.3129
YIQ	144.8670, 10.5000, -3.0680

Conversions

Conversions Part 2

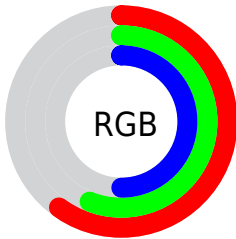
Format	Color
R_{YB}	142, 153, 128
Decimal	10064000
CIE Lab	60.00, 0.53, 9.70
CIE LCh	60, 9.713, 86.891
Yxy	28.1233, 0.3387, 0.3547
Android (android.graphics.Color)	4288254080 (0xFF999080)
YUV	144.8670, -8.3154, 7.1326
Hunter-Lab	53.0314, -2.3977, 9.9398

Details

The CIELCh color $[60, 9.713, 86.891]$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $[57, 9.635, 271.193]$, and the grayscale version is $[60, 0.008, 296.813]$.

A 20% lighter version of the original color is $[80, 9.634, 88.489]$, and $[40, 9.779, 87.244]$ is the 20% darker color. If you saturate the color by 10%, you get $[58, 15.839, 85.619]$, and if you desaturate by 10%, it is $[62, 3.730, 88.118]$.

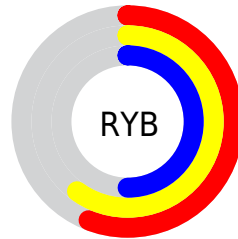
Distribution



Red (60%)

Green (56%)

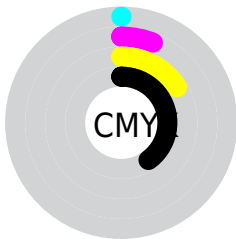
Blue (50%)



Red (56%)

Yellow (60%)

Blue (50%)

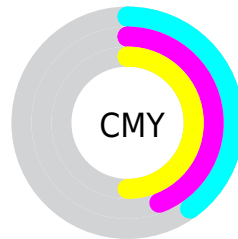


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (40%)



Cyan (40%)

Magenta (44%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 9.713, 86.891 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, 9.713, 86.891 by changing the saturation by 10% instead.

 60, 9.713, 86.891  60, 9.713, 86.891

 100, 9.713, 86.891  50, 9.713, 86.891

 80, 9.713, 86.891  40, 9.713, 86.891

 90, 9.713, 86.891  30, 9.713, 86.891


 20, 9.713, 86.891

 10, 9.713, 86.891

 0, 9.713, 86.891

 60, 9.713, 86.891  60, 9.713, 86.891

 58, 15.839, 85.619  62, 3.730, 88.118

 56, 22.092, 84.294  64, 2.111, 269.483

■ 55, 28.437, 82.929

■ 66, 7.817, 270.570

■ 53, 34.792, 81.518

■ 68, 13.397,
271.669

■ 51, 40.999, 80.039

■ 70, 18.861,
272.725

■ 50, 46.765, 78.438

■ 48, 51.610, 76.606

■ 72, 24.218,
273.732

■ 47, 55.029, 74.408

■ 74, 29.479,
274.689

■ 46, 56.242, 73.641

■ 76, 34.651,
275.597

■ 77, 34.792,
272.917

Harmonies

Complementary

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



60, 9.713, 86.891



57, 9.635, 271.193

Rectangle

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



60, 9.713, 86.891



60, 9.713, 136.891



60, 9.713, 266.891



60, 9.713, 316.891

Sweetspot

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



60, 9.714, 86.902



79, 3.626, 88.259



56, 11.255, 353.021



41, 2.470, 88.188



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



60, 9.714, 86.902



76, 14.799, 86.391



62, 13.977, 114.186



31, 3.329, 87.782



43, 52.872, 73.887



2, 3.534, 88.029

Inverse Universe

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



57, 9.635, 271.193



71, 14.640, 271.826



55, 14.482, 296.769



30, 3.320, 270.172



24, 58.635, 294.173



1, 3.595, 269.458

Previews

White Background



This preview shows how the CIELCh color 60, 9.713, 86.891 looks on a white background.

Color Contrast Check

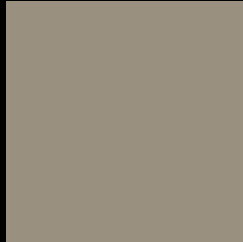
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 9.713, 86.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

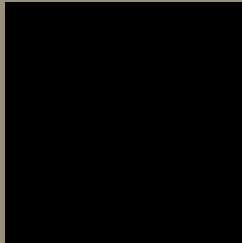
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

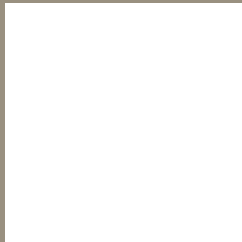
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 9.713, 86.891

Background



This preview shows how black text looks on a background with the CIELCh color 60, 9.713, 86.891.



This preview shows how white text looks on a background with the CIELCh color 60, 9.713, 86.891.

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, 9.713, 86.891

Protanopia

60, 9.432, 91.524

Deuteranopia

60, 11.789, 48.597



Tritanopia
60, 8.803, 335.457

Trichromacy



Original Color
60, 9.713, 86.891

Protanomaly
60, 9.564, 89.175

Deuteranomaly
60, 10.349, 60.452

Tritanomaly
60, 5.642, 8.410

Monochromacy



Original Color
60, 9.713, 86.891

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 3.563, 90.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 9.713, 86.891 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(153, 144, 128)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 128)  
}
```

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(153, 144, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 9.713, 86.891 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(153, 144, 128) }
```

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

```
.border{ border-color:rgb(153, 144, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 128);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 9.713, 86.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 128) }
```

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

```
.background{ background-color: rgb(153,  
144, 128) }
```

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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