

Converting Colors

CIELCh(60, 12.820, 60.963)

Have a look what the booklet for
CIELCh(60, 12.820, 60.963) contains.

CIELCh(60, 12.820, 60.963)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 12.820, 60.963)

Conversions

Conversions Part 1

Format	Color
Hex	A38C7D
RGB	163, 140, 125
RGB Percent	64%, 55%, 49%
CMY	0.3598, 0.4500, 0.5089
CMYK	0.00, 0.14, 0.23, 0.36
HSL	24°, 17%, 57%
HSV	24°, 23%, 64%
XYZ	28.2827, 28.1233, 23.4165
YIQ	145.1670, 18.5230, 0.2110

Conversions

Conversions Part 2

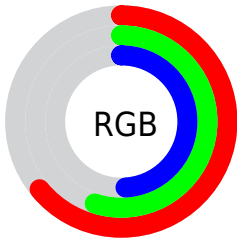
Format	Color
R_{YB}	163, 150, 125
Decimal	10718333
CIE Lab	60.00, 6.22, 11.21
CIE LCh	60, 12.820, 60.963
Yxy	28.1233, 0.3543, 0.3523
Android (android.graphics.Color)	4288908413 (0xFFA38C7D)
YUV	145.1670, -9.9423, 15.6395
Hunter-Lab	53.0314, 2.3926, 10.9420

Details

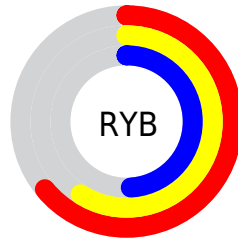
The CIELCh color $60, 12.820, 60.963$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $60, 11.577, 246.179$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 12.612, 62.002$, and $40, 12.958, 60.891$ is the 20% darker color. If you saturate the color by 10%, you get $57, 18.926, 60.050$, and if you desaturate by 10%, it is $63, 7.087, 61.911$.

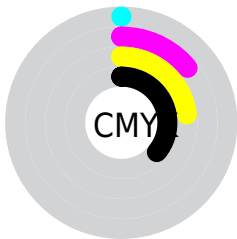
Distribution



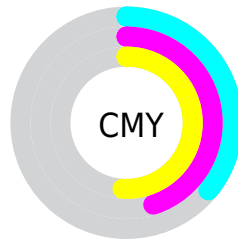
- Red (64%)
- Green (55%)
- Blue (49%)



- Red (64%)
- Yellow (59%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (23%)
- Black (36%)



- Cyan (36%)
- Magenta (45%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 12.820, 60.963 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, 12.820, 60.963 by changing the saturation by 10% instead.

■ 60, 12.820, 60.963

■ 60, 12.820, 60.963

■ 100, 12.820,
60.963

■ 50, 12.820, 60.963

■ 80, 12.820, 60.963

■ 40, 12.820, 60.963

■ 90, 12.820, 60.963

■ 30, 12.820, 60.963

■ 20, 12.820, 60.963

■ 10, 12.820, 60.963

■ 0, 12.820, 60.963

■ 60, 12.820, 60.963

■ 60, 12.820, 60.963

■ 57, 18.926, 60.050

■ 63, 7.087, 61.911

■ 54, 25.422, 59.164

■ 66, 1.697, 62.718

51, 32.302, 58.320

69, 3.383, 244.043

49, 39.508, 57.506

72, 8.187, 244.955

46, 46.875, 56.666

75, 12.748,
245.903

44, 54.036, 55.656

79, 17.095,
246.839

42, 60.266, 54.165

40, 64.093, 53.163

82, 21.253,
247.753

85, 24.956,
247.872

88, 23.971,
232.873

Harmonies

Complementary

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



60, 12.820, 60.963



60, 11.577, 246.179

Rectangle

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



60, 12.820, 60.963



60, 12.820, 110.963



60, 12.820, 240.963



60, 12.820, 290.963

Sweetspot

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



60, 12.820, 60.973



82, 4.524, 62.464



57, 19.898, 339.638



44, 2.968, 62.417



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 12.820, 60.973



74, 19.366, 60.487



65, 18.591, 102.528



33, 2.979, 62.279



36, 58.680, 53.549



3, 4.486, 58.703

Inverse Universe

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



60, 11.577, 246.179



75, 17.039, 247.020



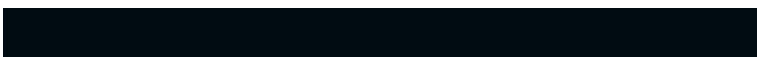
55, 19.333, 287.849



33, 2.872, 244.341



36, 37.790, 270.568



3, 4.643, 249.941

Previews

White Background



This preview shows how the CIELCh color 60, 12.820, 60.963 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, 12.820, 60.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

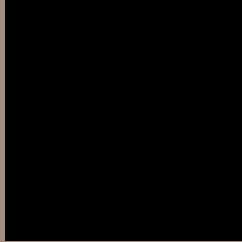
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

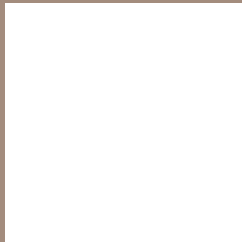
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 12.820, 60.963

Background



This preview shows how black text looks on a background with the CIELCh color 60, 12.820, 60.963.



This preview shows how white text looks on a background with the CIELCh color 60, 12.820, 60.963.

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, 12.820, 60.963

Protanopia

60, 9.971, 92.399

Deuteranopia

60, 13.820, 54.759



Tritanopia
60, 12.975, 352.334

Trichromacy



Original Color
60, 12.820, 60.963

Protanomaly
60, 10.769, 81.775

Deuteranomaly
60, 13.470, 55.768

Tritanomaly
60, 10.887, 14.592

Monochromacy



Original Color
60, 12.820, 60.963

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 4.545, 57.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 12.820, 60.963 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(163, 140, 125)` looks like.

```
.text, #text, p{  
    color:rgb(163, 140, 125)  
}
```

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(163, 140, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 140, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 12.820, 60.963 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(163, 140, 125) }
```

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

```
.border{ border-color:rgb(163, 140, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 140, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 140, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 140, 125);  
box-shadow:4px 4px 4px 4px rgb(163, 140,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 12.820, 60.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 140, 125) }
```

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

```
.background{ background-color: rgb(163,  
140, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor