

Converting Colors

CIELCh(60, 13.591, 19.993)

Have a look what the booklet for
CIELCh(60, 13.591, 19.993) contains.

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Color

CIELCh(60, 13.395, 20.749)

Conversions

Conversions Part 1

Format	Color
Hex	AA8989
RGB	170, 137, 137
RGB Percent	67%, 54%, 54%
CMY	0.3345, 0.4638, 0.4638
CMYK	0.00, 0.19, 0.19, 0.33
HSL	0°, 16%, 60%
HSV	0°, 19%, 67%
XYZ	29.9155, 28.1233, 27.4136
YIQ	146.8670, 19.6680, 6.9960

Conversions

Conversions Part 2

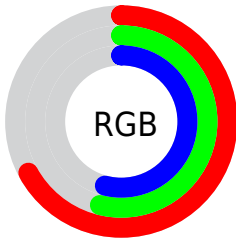
Format	Color
R_{YB}	170, 137, 137
Decimal	11176329
CIE _{Lab}	60.00, 12.53, 4.75
CIE _{LCh}	60, 13.395, 20.749
Yxy	28.1233, 0.3501, 0.3291
Android (android.graphics.Color)	4289366409 (0xFFAA8989)
YUV	146.8670, -4.8644, 20.2876
Hunter-Lab	53.0314, 7.8883, 6.4731

Details

The CIELCh color $60, 13.395, 20.749$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $67, 11.817, 198.447$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 13.688, 20.468$, and $40, 13.303, 21.273$ is the 20% darker color. If you saturate the color by 10%, you get $55, 21.064, 21.793$, and if you desaturate by 10%, it is $65, 6.255, 19.925$.

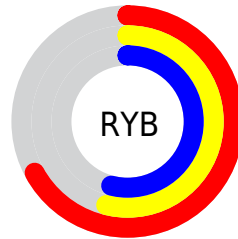
Distribution



Red (67%)

Green (54%)

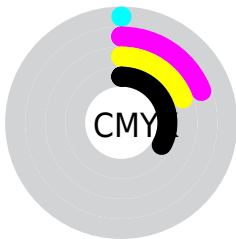
Blue (54%)



Red (67%)

Yellow (54%)

Blue (54%)

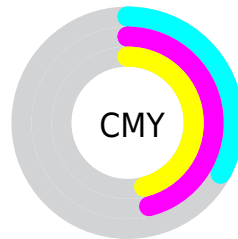


Cyan (0%)

Magenta (19%)

Yellow (19%)

Black (33%)



Cyan (33%)

Magenta (46%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 13.395, 20.749 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, 13.395, 20.749 by changing the saturation by 10% instead.

60, 13.395, 20.749

60, 13.395, 20.749

100, 13.395,
20.749

50, 13.395, 20.749

80, 13.395, 20.749

40, 13.395, 20.749

90, 13.395, 20.749

30, 13.395, 20.749

20, 13.395, 20.749

10, 13.395, 20.749

0, 13.395, 20.749

60, 13.395, 20.749

60, 13.395, 20.749

55, 21.064, 21.793

65, 6.255, 19.925

51, 29.233, 23.132

70, 0.358, 200.751

47, 37.801, 24.873

75, 6.479, 198.977

43, 46.592, 27.124

80, 12.154,
198.556

40, 55.345, 29.961

85, 17.429,
198.233

38, 63.696, 33.327

36, 71.010, 36.813

90, 22.352,
197.975

35, 76.631, 39.727

95, 26.833,
197.763

35, 76.948, 39.885

Harmonies

Complementary

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



60, 13.395, 20.749



67, 11.817, 198.447

Rectangle

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



60, 13.395, 20.749



60, 13.395, 70.749



60, 13.395, 200.749



60, 13.395, 250.749

Sweetspot

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



60, 13.393, 20.756



85, 4.883, 19.659



61, 22.321, 325.479



45, 3.273, 19.711



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 13.393, 20.756



75, 20.011, 21.139



64, 11.365, 73.043



33, 3.724, 19.912



30, 69.026, 39.360



1, 6.572, 19.410

Inverse Universe

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



67, 11.817, 198.447



85, 17.166, 198.253



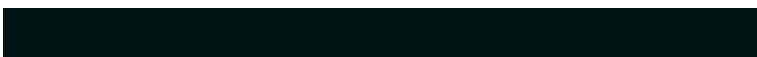
63, 10.809, 258.158



35, 3.515, 198.998



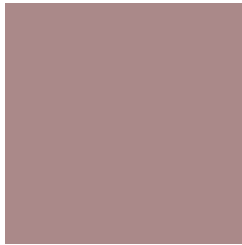
55, 33.384, 196.398



5, 6.571, 199.431

Previews

White Background



This preview shows how the CIELCh color 60, 13.395, 20.749 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, 13.395, 20.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

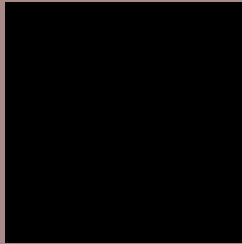
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 13.395, 20.749

Background



This preview shows how black text looks on a background with the CIELCh color 60, 13.395, 20.749.



This preview shows how white text looks on a background with the CIELCh color 60, 13.395, 20.749.

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, 13.395, 20.749

Protanopia

60, 2.294, 66.665

Deuteranopia

60, 9.186, 34.316



Tritanopia
60, 15.530, 357.684

Trichromacy



Original Color
60, 13.395, 20.749

Protanomaly
60, 6.087, 30.542

Deuteranomaly
60, 10.686, 29.429

Tritanomaly
60, 14.512, 5.283

Monochromacy



Original Color
60, 13.395, 20.749

Achromatopsia
61, 0.008, 296.813

Achromatomaly
60, 4.734, 19.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 13.395, 20.749 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, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 137)  
}
```

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, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 13.395, 20.749 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, 137, 137) }
```

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

```
.border{ border-color:rgb(170, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 13.395, 20.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 137) }
```

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

```
.background{ background-color: rgb(170,  
137, 137) }
```

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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