

Converting Colors

CIELCh(59, 13.495, 20.773)

Have a look what the booklet for
CIELCh(59, 13.495, 20.773) contains.

CIELCh(59, 13.456, 20.778)	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(59, 13.456, 20.778)

Conversions

Conversions Part 1

Format	Color
Hex	A78686
RGB	167, 134, 134
RGB Percent	65%, 53%, 53%
CMY	0.3447, 0.4741, 0.4741
CMYK	0.00, 0.20, 0.20, 0.34
HSL	0°, 16%, 59%
HSV	0°, 20%, 66%
XYZ	28.8065, 27.0277, 26.2884
YIQ	143.8670, 19.6680, 6.9960

Conversions

Conversions Part 2

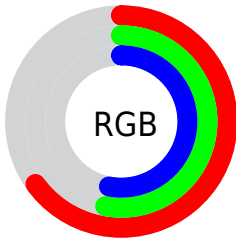
Format	Color
R_{YB}	167, 134, 134
Decimal	10978950
CIE _{Lab}	59.00, 12.58, 4.77
CIE _{LCh}	59, 13.456, 20.778
Yxy	27.0277, 0.3508, 0.3291
Android (android.graphics.Color)	4289169030 (0xFFA78686)
YUV	143.8670, -4.8644, 20.2876
Hunter-Lab	51.9882, 7.9269, 6.4112

Details

The CIELCh color $59, 13.456, 20.778$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $66, 11.846, 198.435$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $79, 13.733, 20.485$, and $39, 13.394, 21.334$ is the 20% darker color. If you saturate the color by 10%, you get $54, 21.044, 21.827$, and if you desaturate by 10%, it is $64, 6.390, 19.951$.

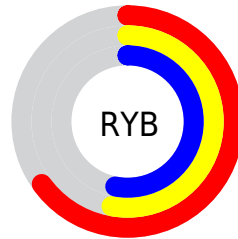
Distribution



Red (65%)

Green (53%)

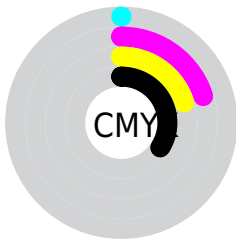
Blue (53%)



Red (65%)

Yellow (53%)

Blue (53%)

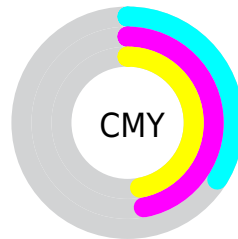


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (34%)



Cyan (34%)

Magenta (47%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 13.456, 20.778 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 59, 13.456, 20.778 by changing the saturation by 10% instead.

■ 59, 13.456, 20.778

■ 59, 13.456, 20.778

■ 100, 13.456,
20.778

■ 49, 13.456, 20.778

■ 79, 13.456, 20.778

■ 39, 13.456, 20.778

■ 89, 13.456, 20.778

■ 29, 13.456, 20.778

■ 99, 13.456, 20.778

■ 19, 13.456, 20.778

■ 9, 13.456, 20.778

■ 0, 13.456, 20.778

■ 59, 13.456, 20.778

■ 59, 13.456, 20.778

■ 54, 21.044, 21.827

■ 64, 6.390, 19.951

■ 50, 29.122, 23.174

■ 69, 0.156, 202.507

46, 37.591, 24.926

74, 6.215, 198.996

42, 46.275, 27.188

79, 11.832,
198.571

39, 54.913, 30.035

84, 17.054,
198.246

37, 63.145, 33.406

35, 70.335, 36.881

89, 21.927,
197.986

34, 75.893, 39.778

94, 26.494,
197.774

34, 76.032, 39.847

95, 27.531,
197.720

Harmonies

Complementary

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



59, 13.456, 20.778



66, 11.846, 198.435

Rectangle

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



59, 13.456, 20.778



59, 13.456, 70.778



59, 13.456, 200.778



59, 13.456, 250.778

Sweetspot

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



59, 13.454, 20.785



83, 4.791, 19.660



60, 22.400, 325.494



44, 3.211, 19.712



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



59, 13.454, 20.785



72, 20.566, 21.241



63, 11.412, 73.007



33, 3.723, 19.915



30, 69.025, 39.361



1, 6.571, 19.412

Inverse Universe

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



66, 11.846, 198.435



83, 17.518, 198.209



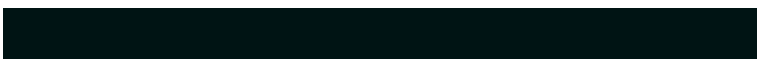
62, 10.845, 258.205



35, 3.515, 199.000



55, 33.383, 196.402



5, 6.571, 199.434

Previews

White Background



This preview shows how the CIELCh color 59, 13.456, 20.778 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 59, 13.456, 20.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

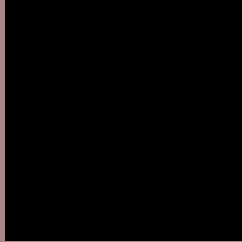
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 13.456, 20.778

Background



This preview shows how black text looks on a background with the CIELCh color 59, 13.456, 20.778.



This preview shows how white text looks on a background with the CIELCh color 59, 13.456, 20.778.

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

59, 13.456, 20.778

Protanopia

59, 2.741, 74.669

Deuteranopia

59, 9.228, 34.321



Tritanopia
59, 15.013, 359.048

Trichromacy



Original Color
59, 13.456, 20.778

Protanomaly
59, 6.104, 30.546

Deuteranomaly
59, 10.736, 29.442

Tritanomaly
59, 14.571, 5.324

Monochromacy



Original Color
59, 13.456, 20.778

Achromatopsia
60, 0.008, 296.813

Achromatomaly
59, 4.754, 19.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 13.456, 20.778 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(167, 134, 134)` looks like.

```
.text, #text, p{  
    color:rgb(167, 134, 134)  
}
```

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(167, 134, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 134, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 13.456, 20.778 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(167, 134, 134) }
```

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

```
.border{ border-color:rgb(167, 134, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 134, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 134, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 134, 134);  
box-shadow:4px 4px 4px 4px rgb(167, 134,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 13.456, 20.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 134, 134) }
```

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

```
.background{ background-color: rgb(167,  
134, 134) }
```

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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