

Converting Colors

CIELCh(66, 9.938, 120.856)

Have a look what the booklet for
CIELCh(66, 9.938, 120.856) contains.

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Color

CIELCh(66, 10.212, 122.467)

Conversions

Conversions Part 1

Format	Color
Hex	9DA391
RGB	157, 163, 145
RGB Percent	62%, 64%, 57%
CMY	0.3850, 0.3614, 0.4320
CMYK	0.04, 0.00, 0.11, 0.36
HSL	80°, 9%, 60%
HSV	80°, 11%, 64%
XYZ	32.0361, 35.3238, 31.8497
YIQ	159.1540, 2.2020, -6.8700

Conversions

Conversions Part 2

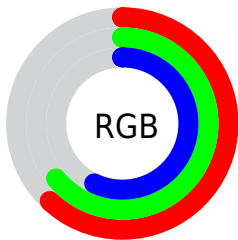
Format	Color
RYB	145, 163, 151
Decimal	10331025
CIELab	66.00, -5.48, 8.62
CIElCh	66, 10.212, 122.467
Yxy	35.3238, 0.3229, 0.3561
Android (android.graphics.Color)	4288521105 (0xFF9DA391)
YUV	159.1540, -6.9779, -1.8891
Hunter-Lab	59.4338, -7.7938, 9.8311

Details

The CIELCh color $66, 10.212, 122.467$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 10.423, 303.662$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 10.181, 121.916$, and $46, 9.696, 121.508$ is the 20% darker color. If you saturate the color by 10%, you get $65, 19.428, 121.921$, and if you desaturate by 10%, it is $67, 0.966, 123.052$.

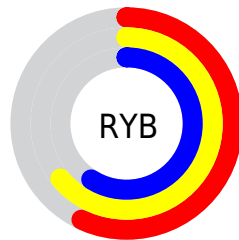
Distribution



Red (62%)

Green (64%)

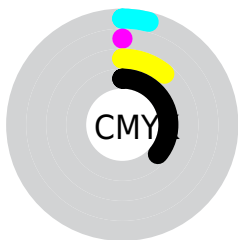
Blue (57%)



Red (57%)

Yellow (64%)

Blue (59%)

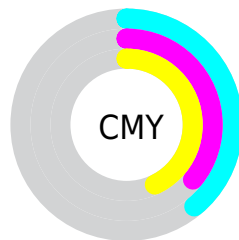


Cyan (4%)

Magenta (0%)

Yellow (11%)

Black (36%)



Cyan (39%)


Magenta (36%)

Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 10.212, 122.467 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 66, 10.212, 122.467 by changing the saturation by 10% instead.


 66, 10.212,
122.467


 66, 10.212,
122.467


 100, 10.212,
122.467


 56, 10.212,
122.467


 86, 10.212,
122.467

 46, 10.212,
122.467

 96, 10.212,
122.467

 36, 10.212,
122.467

 26, 10.212,
122.467

 16, 10.212,
122.467

 6, 10.212, 122.467

 0, 10.212, 122.467

66, 10.212,
122.467

66, 10.212,
122.467

65, 19.428,
121.921

67, 0.966, 123.052

64, 28.541,
121.370

68, 8.265, 303.497

64, 37.450,
120.841

69, 17.445,
303.976

63, 46.007,
120.372

70, 26.550,
304.419

63, 53.994,
120.018

71, 35.559,
304.828

62, 61.103,
119.859

72, 44.461,
305.204

62, 66.948,
119.999

73, 51.260,
305.919

61, 71.158,

73, 51.564,
307.834

120.547

74, 51.918,
309.750

61, 73.767,
121.312

Harmonies

Complementary

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



66, 10.212, 122.467



61, 10.423, 303.662

Rectangle

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



66, 10.212, 122.467



66, 10.212, 172.467



66, 10.212, 302.467



66, 10.212, 352.467

Sweetspot

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



66, 10.214, 122.472



84, 3.424, 122.912



63, 5.803, 54.775



45, 2.618, 122.867



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 10.214, 122.472



83, 14.869, 122.352



65, 11.584, 139.291



34, 5.236, 122.569



55, 67.807, 121.167



5, 8.255, 125.176

Inverse Universe

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



61, 10.423, 303.662



76, 15.230, 303.795



62, 11.644, 320.275



32, 5.328, 303.556



19, 84.720, 308.974



1, 8.138, 301.877

Previews

White Background



This preview shows how the CIELCh color 66, 10.212, 122.467 looks on a white background.

Color Contrast Check

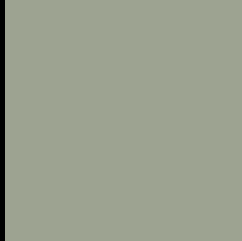
Large Text (above 18pt) WCAG AA × Fail

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 66, 10.212, 122.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

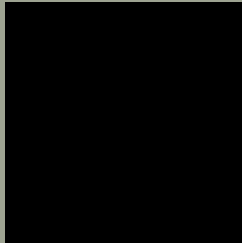
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

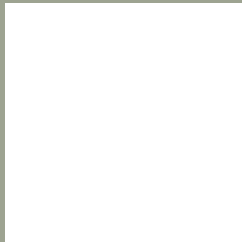
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 10.212, 122.467

Background



This preview shows how black text looks on a background with the CIELCh color 66, 10.212, 122.467.



This preview shows how white text looks on a background with the CIELCh color 66, 10.212, 122.467.

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


66, 10.212, 122.467

Protanopia

66, 9.777, 92.570

Deuteranopia

66, 11.601, 45.435



Tritanopia
66, 7.262, 296.778

Trichromacy



Original Color
66, 10.212, 122.467

Protanomaly
66, 9.402, 104.341

Deuteranomaly
66, 8.664, 69.368

Tritanomaly
66, 1.172, 271.523

Monochromacy



Original Color
66, 10.212, 122.467

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 3.410, 122.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 10.212, 122.467 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(157, 163, 145)` looks like.

```
.text, #text, p{  
    color:rgb(157, 163, 145)  
}
```

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(157, 163, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 163, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 10.212, 122.467 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(157, 163, 145) }
```

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

```
.border{ border-color:rgb(157, 163, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 163, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 163, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 163, 145);  
box-shadow:4px 4px 4px 4px rgb(157, 163,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 10.212, 122.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 163, 145) }
```

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

```
.background{ background-color: rgb(157,  
163, 145) }
```

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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