

Converting Colors

CIELCh(68, 19.625, 93.562)

Have a look what the booklet for
CIELCh(68, 19.625, 93.562) contains.

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Color

CIELCh(68, 19.787, 93.678)

Conversions

Conversions Part 1

Format	Color
Hex	B1A582
RGB	177, 165, 130
RGB Percent	69%, 65%, 51%
CMY	0.3051, 0.3521, 0.4894
CMYK	0.00, 0.07, 0.27, 0.31
HSL	45°, 23%, 60%
HSV	45°, 27%, 69%
XYZ	35.7130, 37.9720, 26.6347
YIQ	164.5980, 18.3870, -8.3410

Conversions

Conversions Part 2

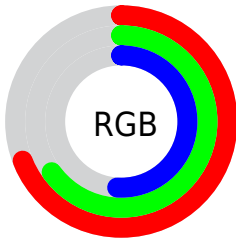
Format	Color
RYB	146, 177, 130
Decimal	11642242
CIELab	68.00, -1.27, 19.75
CIELCh	68, 19.787, 93.678
Yxy	37.9720, 0.3560, 0.3785
Android (android.graphics.Color)	4289832322 (0xFFB1A582)
YUV	164.5980, -17.0568, 10.8766
Hunter-Lab	61.6215, -4.3870, 17.5081

Details

The CIELCh color **68, 19.787, 93.678** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 20.121, 280.616**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.854, 93.933**, and **48, 19.928, 93.065** is the 20% darker color. If you saturate the color by 10%, you get **66, 27.355, 92.421**, and if you desaturate by 10%, it is **70, 12.259, 94.911**.

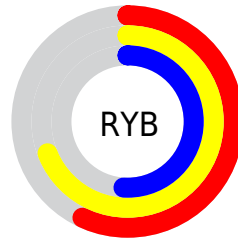
Distribution



Red (69%)

Green (65%)

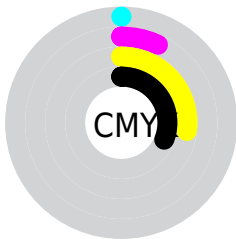
Blue (51%)



Red (57%)

Yellow (69%)

Blue (51%)

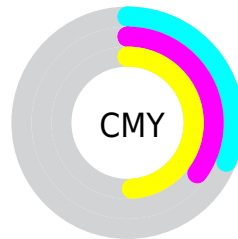


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 19.787, 93.678 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 68, 19.787, 93.678 by changing the saturation by 10% instead.

■ 68, 19.787, 93.678

■ 68, 19.787, 93.678

■ 100, 19.787,
93.678

■ 58, 19.787, 93.678

■ 88, 19.787, 93.678

■ 48, 19.787, 93.678

■ 98, 19.787, 93.678

■ 38, 19.787, 93.678

■ 28, 19.787, 93.678

■ 18, 19.787, 93.678

■ 8, 19.787, 93.678

■ 0, 19.787, 93.678

■ 68, 19.787, 93.678

■ 68, 19.787, 93.678

■ 66, 27.355, 92.421

■ 70, 12.259, 94.911

65, 34.886, 91.126

71, 4.807, 96.083

64, 42.244, 89.799

73, 2.551, 277.339

62, 49.190, 88.432

75, 9.807, 278.395

61, 55.327, 86.995

76, 16.963,
279.445

60, 60.081, 85.426

78, 24.021,
280.450

58, 62.904, 83.635

58, 63.715, 83.003

80, 30.984,
281.405

81, 29.204,
277.611

82, 27.193,
273.039

Harmonies

Complementary

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



68, 19.787, 93.678



59, 20.121, 280.616

Rectangle

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



68, 19.787, 93.678



68, 19.787, 143.678



68, 19.787, 273.678



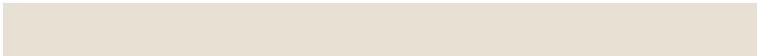
68, 19.787, 323.678

Sweetspot

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



68, 19.788, 93.684



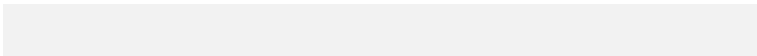
89, 7.278, 95.901



59, 20.030, 1.138



47, 5.173, 95.731



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 19.788, 93.684



85, 29.531, 92.928



70, 25.756, 117.579



37, 4.204, 95.764



50, 57.227, 83.270



6, 9.181, 89.706

Inverse Universe

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



59, 20.121, 280.616



72, 30.176, 281.693



57, 27.235, 301.254



35, 4.234, 278.045



23, 73.756, 299.931



2, 10.819, 280.576

Previews

White Background



This preview shows how the CIELCh color 68, 19.787, 93.678 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 68, 19.787, 93.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

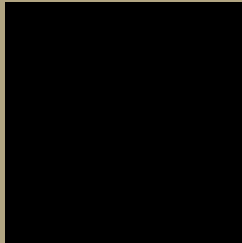
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 19.787, 93.678

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.787, 93.678.



This preview shows how white text looks on a background with the CIELCh color 68, 19.787, 93.678.

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


68, 19.787, 93.678

Protanopia

68, 19.684, 94.849

Deuteranopia

68, 21.112, 66.327



Tritanopia
68, 10.668, 342.214

Trichromacy



Original Color
68, 19.787, 93.678

Protanomaly
68, 19.684, 94.849

Deuteranomaly
68, 19.805, 75.374

Tritanomaly
68, 7.565, 41.123

Monochromacy



Original Color
68, 19.787, 93.678

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.295, 97.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.787, 93.678 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(177, 165, 130)` looks like.

```
.text, #text, p{  
    color:rgb(177, 165, 130)  
}
```

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(177, 165, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 165, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.787, 93.678 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(177, 165, 130) }
```

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

```
.border{ border-color:rgb(177, 165, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 165, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 165, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 165, 130);  
box-shadow:4px 4px 4px 4px rgb(177, 165,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.787, 93.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 165, 130) }
```

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

```
.background{ background-color: rgb(177,  
165, 130) }
```

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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