

Converting Colors

CIELCh(78, 20.401, 95.003)

Have a look what the booklet for
CIELCh(78, 20.401, 95.003) contains.

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Color

CIELCh(78, 20.675, 96.054)

Conversions

Conversions Part 1

Format	Color
Hex	CCC19B
RGB	204, 193, 155
RGB Percent	80%, 76%, 61%
CMY	0.2009, 0.2440, 0.3930
CMYK	0.00, 0.05, 0.24, 0.20
HSL	47°, 32%, 70%
HSV	47°, 24%, 80%
XYZ	49.7642, 53.2120, 38.5678
YIQ	191.9570, 18.7540, -9.4860

Conversions

Conversions Part 2

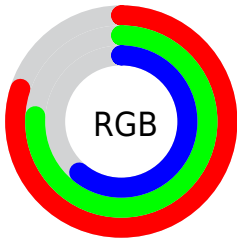
Format	Color
RYB	169, 204, 155
Decimal	13418907
CIELab	78.00, -2.18, 20.56
CIElCh	78, 20.675, 96.054
Yxy	53.2120, 0.3516, 0.3759
Android (android.graphics.Color)	4291608987 (0xFFCCC19B)
YUV	191.9570, -18.2198, 10.5617
Hunter-Lab	72.9466, -5.8835, 19.7152

Details

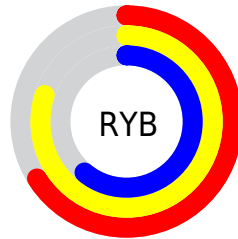
The CIELCh color **78, 20.675, 96.054** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 21.134, 282.187**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 19.913, 102.195**, and **58, 20.633, 96.967** is the 20% darker color. If you saturate the color by 10%, you get **76, 29.355, 94.827**, and if you desaturate by 10%, it is **80, 12.021, 97.259**.

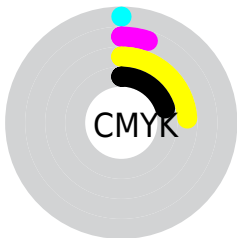
Distribution



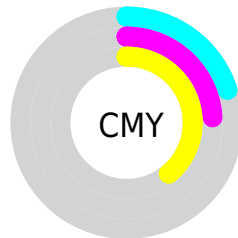
- Red (80%)
- Green (76%)
- Blue (61%)



- Red (66%)
- Yellow (80%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (20%)



- Cyan (20%)
- Magenta (24%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 20.675, 96.054 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 78, 20.675, 96.054 by changing the saturation by 10% instead.

 78, 20.675, 96.054

 78, 20.675, 96.054

 100, 20.675,
96.054

 68, 20.675, 96.054

 98, 20.675, 96.054

 58, 20.675, 96.054

 48, 20.675, 96.054

 38, 20.675, 96.054

 28, 20.675, 96.054

 18, 20.675, 96.054

 8, 20.675, 96.054

 0, 20.675, 96.054

 78, 20.675, 96.054

 78, 20.675, 96.054

76, 29.355, 94.827

80, 12.021, 97.259

75, 37.974, 93.567

81, 3.434, 98.390

73, 46.385, 92.284

83, 5.063, 279.601

72, 54.327, 90.975

85, 13.461,
280.659

71, 61.376, 89.626

86, 20.893,
281.146

69, 66.913, 88.196

88, 18.817,
274.980

68, 70.255, 86.609

67, 71.399, 85.594

89, 17.005,
267.454

90, 15.547,
258.397

91, 14.539,
247.856

Harmonies

Complementary

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



78, 20.675, 96.054



68, 21.134, 282.187

Rectangle

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



78, 20.675, 96.054



78, 20.675, 146.054



78, 20.675, 276.054



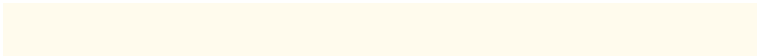
78, 20.675, 326.054

Sweetspot

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



78, 20.676, 96.060



99, 7.160, 98.060



69, 20.026, 3.278



52, 4.654, 97.991



0, 0.000, 0.000



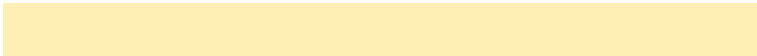
53, 0.007, 296.813

Same Dimension

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



78, 20.676, 96.060



94, 29.972, 95.405



80, 26.303, 119.078



42, 4.848, 97.798



56, 61.315, 85.888



11, 17.069, 89.828

Inverse Universe

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



68, 21.134, 282.187



80, 30.815, 283.096



67, 27.620, 302.215



40, 4.895, 280.061



24, 81.855, 301.366



3, 19.922, 286.169

Previews

White Background



This preview shows how the CIELCh color 78, 20.675, 96.054 looks on a white background.

Color Contrast Check

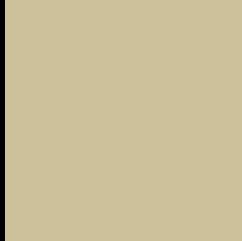
Large Text (above 18pt) WCAG AA × Fail

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 78, 20.675, 96.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

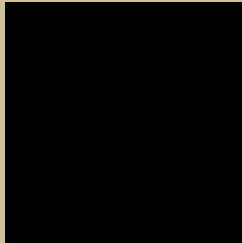
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 20.675, 96.054

Background



This preview shows how black text looks on a background with the CIELCh color 78, 20.675, 96.054.



This preview shows how white text looks on a background with the CIELCh color 78, 20.675, 96.054.

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

78, 20.675, 96.054

Protanopia

78, 20.370, 93.587

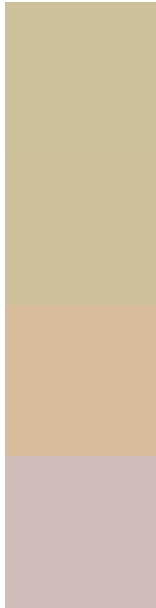
Deuteranopia

78, 22.276, 63.754



Tritanopia
78, 11.968, 338.301

Trichromacy



Original Color
78, 20.675, 96.054

Protanomaly
78, 20.370, 93.587

Deuteranomaly
78, 20.779, 74.455

Tritanomaly
78, 7.883, 35.590

Monochromacy



Original Color
78, 20.675, 96.054

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 7.614, 97.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 20.675, 96.054 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(204, 193, 155)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 155)  
}
```

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(204, 193, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 20.675, 96.054 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(204, 193, 155) }
```

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

```
.border{ border-color:rgb(204, 193, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 155);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 20.675, 96.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 155) }
```

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

```
.background{ background-color: rgb(204,  
193, 155) }
```

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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