

Converting Colors

CIELCh(78, 33.057, 88.729)

Have a look what the booklet for
CIELCh(78, 33.057, 88.729) contains.

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Color

CIELCh(78, 33.203, 88.191)

Conversions

Conversions Part 1

Format	Color
Hex	D8BE83
RGB	216, 190, 131
RGB Percent	85%, 75%, 51%
CMY	0.1520, 0.2539, 0.4854
CMYK	0.00, 0.12, 0.39, 0.15
HSL	42°, 52%, 68%
HSV	42°, 39%, 85%
XYZ	50.9699, 53.2120, 29.1375
YIQ	191.0480, 34.4350, -12.8370

Conversions

Conversions Part 2

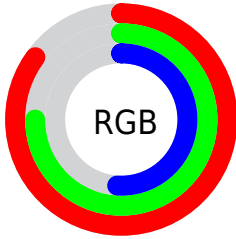
Format	Color
RYB	168, 216, 131
Decimal	14204547
CIELab	78.00, 1.05, 33.19
CIELCh	78, 33.203, 88.191
Yxy	53.2120, 0.3823, 0.3991
Android (android.graphics.Color)	4292394627 (0xFFD8BE83)
YUV	191.0480, -29.6037, 21.8829
Hunter-Lab	72.9466, -2.9332, 27.3800

Details

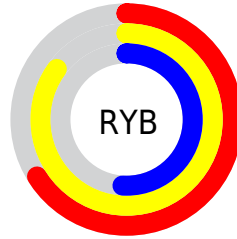
The CIELCh color **78, 33.203, 88.191** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 33.422, 279.736**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 31.109, 101.353**, and **58, 33.114, 88.106** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.813, 86.814**, and if you desaturate by 10%, it is **80, 24.592, 89.538**.

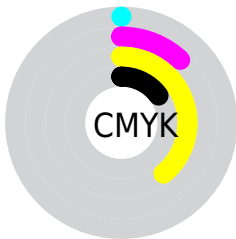
Distribution



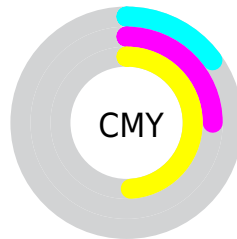
- Red (85%)
- Green (75%)
- Blue (51%)



- Red (66%)
- Yellow (85%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (39%)
- Black (15%)



- Cyan (15%)
- Magenta (25%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 33.203, 88.191 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, 33.203, 88.191 by changing the saturation by 10% instead.

 78, 33.203, 88.191

 78, 33.203, 88.191

 100, 33.203,
88.191

 68, 33.203, 88.191

 98, 33.203, 88.191

 58, 33.203, 88.191

 48, 33.203, 88.191

 38, 33.203, 88.191

 28, 33.203, 88.191

 18, 33.203, 88.191

 8, 33.203, 88.191

 0, 33.203, 88.191

 78, 33.203, 88.191

 78, 33.203, 88.191

76, 41.813, 86.814

80, 24.592, 89.538

74, 50.243, 85.383

82, 16.068, 90.840

72, 58.169, 83.877

84, 7.676, 92.089

70, 65.049, 82.236

87, 0.568, 273.755

69, 70.106, 80.343

89, 8.660, 274.539

67, 72.878, 78.087

91, 13.676,
271.657

67, 73.048, 77.932

93, 11.564,
254.899

94, 10.756,
233.582

96, 11.500,
212.291

Harmonies

Complementary

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



78, 33.203, 88.191



65, 33.422, 279.736

Rectangle

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



78, 33.203, 88.191



78, 33.203, 138.191



78, 33.203, 268.191



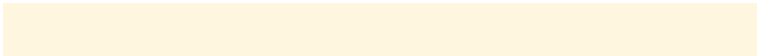
78, 33.203, 318.191

Sweetspot

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



78, 33.204, 88.196



97, 11.333, 91.747



64, 36.088, 359.516



51, 7.527, 91.583



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, 33.204, 88.196



89, 45.530, 87.076



84, 44.138, 114.593



44, 4.640, 92.077



54, 61.322, 78.395



12, 18.535, 81.492

Inverse Universe

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



65, 33.422, 279.736



71, 46.069, 281.636



59, 48.483, 300.969



42, 4.652, 274.499



28, 75.141, 297.858



4, 21.771, 285.450

Previews

White Background



This preview shows how the CIELCh color 78, 33.203, 88.191 looks on a white background.

Color Contrast Check

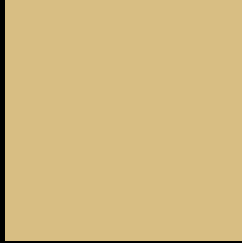
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 33.203, 88.191 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, 33.203, 88.191

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.203, 88.191.



This preview shows how white text looks on a background with the CIELCh color 78, 33.203, 88.191.

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, 33.203, 88.191

Protanopia

78, 32.933, 95.565

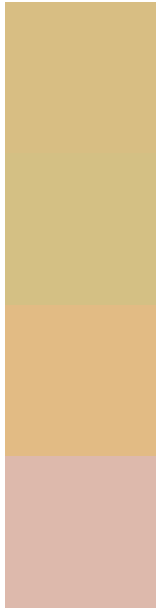
Deuteranopia

78, 34.566, 73.562



Tritanopia
78, 17.054, 354.960

Trichromacy



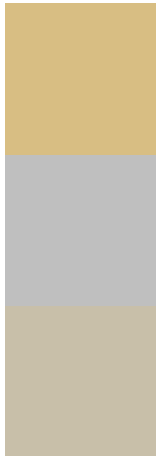
Original Color
78, 33.203, 88.191

Protanomaly
78, 32.861, 92.582

Deuteranomaly
78, 33.757, 78.500

Tritanomaly
78, 15.794, 46.247

Monochromacy



Original Color
78, 33.203, 88.191

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 12.242, 92.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.203, 88.191 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(216, 190, 131)` looks like.

```
.text, #text, p{  
    color:rgb(216, 190, 131)  
}
```

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(216, 190, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 190, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.203, 88.191 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(216, 190, 131) }
```

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

```
.border{ border-color:rgb(216, 190, 131) }
```

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

Here you see how a box with a 4 pixel rgb(216, 190, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 190, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 190, 131);  
box-shadow:4px 4px 4px 4px rgb(216, 190,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.203, 88.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 190, 131) }
```

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

```
.background{ background-color: rgb(216,  
190, 131) }
```

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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