

Converting Colors

CIELCh(68, 20.082, 77.874)

Have a look what the booklet for
CIELCh(68, 20.082, 77.874) contains.

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Color

CIELCh(68, 20.021, 77.140)

Conversions

Conversions Part 1

Format	Color
Hex	BBA283
RGB	187, 162, 131
RGB Percent	73%, 64%, 51%
CMY	0.2672, 0.3652, 0.4868
CMYK	0.00, 0.13, 0.30, 0.27
HSL	33°, 29%, 62%
HSV	33°, 30%, 73%
XYZ	37.4403, 37.9720, 26.7802
YIQ	165.9410, 24.8510, -4.3410

Conversions

Conversions Part 2

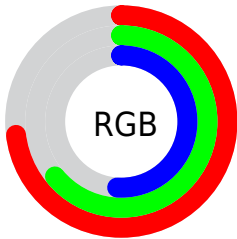
Format	Color
RYB	176, 187, 131
Decimal	12296835
CIELab	68.00, 4.46, 19.52
CIElCh	68, 20.021, 77.140
Yxy	37.9720, 0.3664, 0.3716
Android (android.graphics.Color)	4290486915 (0xFFBBA283)
YUV	165.9410, -17.2259, 18.4687
Hunter-Lab	61.6215, 0.6165, 17.3680

Details

The CIELCh color **68, 20.021, 77.140** is a light color, and the websafe version is hex **999966**. A complement of this color would be **63, 18.949, 265.729**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.168, 77.438**, and **48, 20.137, 76.463** is the 20% darker color. If you saturate the color by 10%, you get **65, 27.201, 75.813**, and if you desaturate by 10%, it is **71, 13.089, 78.451**.

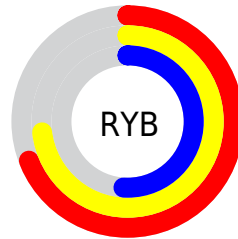
Distribution



Red (73%)

Green (64%)

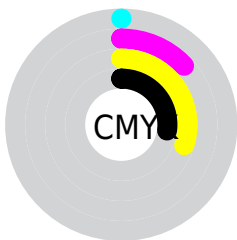
Blue (51%)



Red (69%)

Yellow (73%)

Blue (51%)

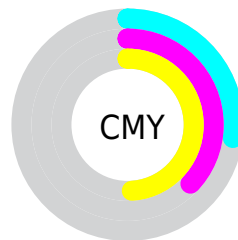


Cyan (0%)

Magenta (13%)

Yellow (30%)

Black (27%)



Cyan (27%)

Magenta (37%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 20.021, 77.140 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, 20.021, 77.140 by changing the saturation by 10% instead.

■ 68, 20.021, 77.140

■ 68, 20.021, 77.140

■ 100, 20.021,
77.140

■ 58, 20.021, 77.140

■ 88, 20.021, 77.140

■ 48, 20.021, 77.140

■ 98, 20.021, 77.140

■ 38, 20.021, 77.140

■ 28, 20.021, 77.140

■ 18, 20.021, 77.140

■ 8, 20.021, 77.140

■ 0, 20.021, 77.140

■ 68, 20.021, 77.140

■ 68, 20.021, 77.140

■ 65, 27.201, 75.813

■ 71, 13.089, 78.451

63, 34.592, 74.447

73, 6.409, 79.708

61, 42.097, 73.035

76, 0.031, 271.032

58, 49.506, 71.530

79, 6.248, 262.261

56, 56.406, 69.831

81, 12.263,
263.401

54, 62.093, 67.735

84, 18.096,
264.509

52, 66.214, 65.167

87, 20.794,
260.650

52, 66.229, 65.159

89, 18.877,
245.923

91, 18.370,
229.397

Harmonies

Complementary

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



68, 20.021, 77.140



63, 18.949, 265.729

Rectangle

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



68, 20.021, 77.140



68, 20.021, 127.140



68, 20.021, 257.140



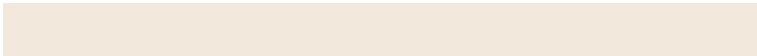
68, 20.021, 307.140

Sweetspot

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



68, 20.021, 77.147



93, 7.137, 79.807



61, 25.818, 349.354



49, 5.014, 79.630



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 20.021, 77.147



84, 30.072, 76.267



74, 29.821, 109.505



39, 3.670, 79.782



44, 58.439, 65.657



6, 10.232, 65.823

Inverse Universe

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



63, 18.949, 265.729



77, 28.083, 267.119



57, 32.042, 295.464



38, 3.620, 262.286



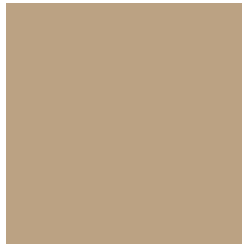
32, 55.427, 288.358



4, 12.177, 272.444

Previews

White Background



This preview shows how the CIELCh color 68, 20.021, 77.140 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, 20.021, 77.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

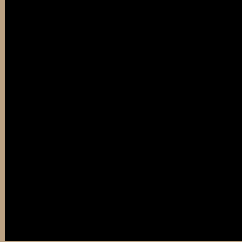
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 20.021, 77.140

Background



This preview shows how black text looks on a background with the CIELCh color 68, 20.021, 77.140.



This preview shows how white text looks on a background with the CIELCh color 68, 20.021, 77.140.

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, 20.021, 77.140

Protanopia

68, 18.504, 95.499

Deuteranopia

68, 21.410, 65.513



Tritanopia
68, 14.626, 354.109

Trichromacy



Original Color
68, 20.021, 77.140

Protanomaly
68, 18.758, 87.747

Deuteranomaly
68, 20.661, 69.796

Tritanomaly
68, 12.106, 30.798

Monochromacy



Original Color
68, 20.021, 77.140

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.194, 76.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 20.021, 77.140 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(187, 162, 131)` looks like.

```
.text, #text, p{  
    color:rgb(187, 162, 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(187, 162, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 162, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 20.021, 77.140 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(187, 162, 131) }
```

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

```
.border{ border-color:rgb(187, 162, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 162, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 162, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 162, 131); box-shadow:4px 4px 4px 4px rgb(187, 162, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 20.021, 77.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 162, 131) }
```

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

```
.background{ background-color: rgb(187,  
162, 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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