

Converting Colors

CIELCh(70, 10.416, 20.301)

Have a look what the booklet for
CIELCh(70, 10.416, 20.301) contains.

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Color

CIELCh(70, 10.500, 20.296)

Conversions

Conversions Part 1

Format	Color
Hex	C0A5A5
RGB	192, 165, 165
RGB Percent	75%, 65%, 65%
CMY	0.2477, 0.3535, 0.3536
CMYK	0.00, 0.14, 0.14, 0.25
HSL	0°, 18%, 70%
HSV	0°, 14%, 75%
XYZ	41.9007, 40.7494, 41.1793
YIQ	173.0730, 16.0920, 5.7240

Conversions

Conversions Part 2

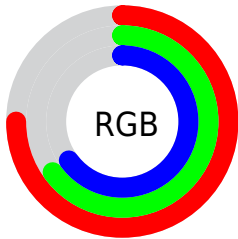
Format	Color
RYB	192, 165, 165
Decimal	12625317
CIELab	70.00, 9.85, 3.64
CIELCh	70, 10.500, 20.296
Yxy	40.7494, 0.3384, 0.3291
Android (android.graphics.Color)	4290815397 (0xFFC0A5A5)
YUV	173.0730, -3.9800, 16.5990
Hunter-Lab	63.8353, 5.4536, 6.4375

Details

The CIELCh color $70, 10.500, 20.296$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $76, 9.599, 198.722$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 10.647, 20.115$, and $50, 10.478, 20.604$ is the 20% darker color. If you saturate the color by 10%, you get $65, 18.670, 21.230$, and if you desaturate by 10%, it is $75, 2.921, 19.476$.

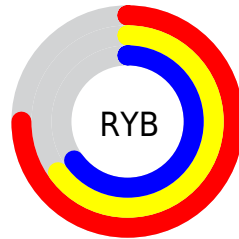
Distribution



Red (75%)

Green (65%)

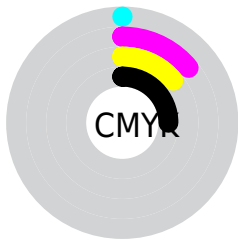
Blue (65%)



Red (75%)

Yellow (65%)

Blue (65%)

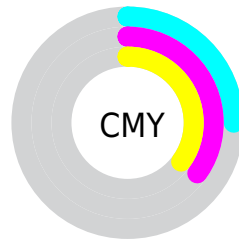


Cyan (0%)

Magenta (14%)

Yellow (14%)

Black (25%)



Cyan (25%)

Magenta (35%)

Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 10.500, 20.296 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 70, 10.500, 20.296 by changing the saturation by 10% instead.

 70, 10.500, 20.296

 70, 10.500, 20.296

 100, 10.500,
20.296

 60, 10.500, 20.296

 90, 10.500, 20.296

 50, 10.500, 20.296

 40, 10.500, 20.296

 30, 10.500, 20.296

 20, 10.500, 20.296

 10, 10.500, 20.296

 0, 10.500, 20.296

 70, 10.500, 20.296

 70, 10.500, 20.296

 65, 18.670, 21.230

 75, 2.921, 19.476

60, 27.423, 22.413

81, 4.089, 199.244

55, 36.688, 23.952

86, 10.576,
198.733

51, 46.310, 25.957

92, 16.594,
198.370

47, 56.044, 28.528

44, 65.543, 31.692

96, 20.557,
198.152

42, 74.284, 35.239

40, 81.171, 38.418

40, 84.421, 40.001

Harmonies

Complementary

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



70, 10.500, 20.296



76, 9.599, 198.722

Rectangle

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



70, 10.500, 20.296



70, 10.500, 70.296



70, 10.500, 200.296



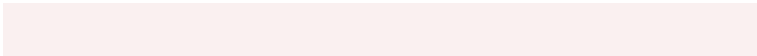
70, 10.500, 250.296

Sweetspot

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



70, 10.498, 20.306



96, 3.557, 19.475



71, 17.828, 325.193



50, 2.535, 19.552



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 10.498, 20.306



87, 15.920, 20.580



73, 8.981, 73.673



38, 4.187, 19.930



33, 73.726, 39.725



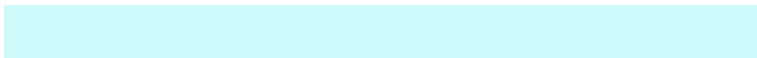
3, 13.998, 19.411

Inverse Universe

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



76, 9.599, 198.722



95, 14.242, 198.552



72, 8.671, 257.350



40, 3.949, 198.991



60, 35.469, 196.404



11, 12.442, 196.406

Previews

White Background



This preview shows how the CIELCh color 70, 10.500, 20.296 looks on a white background.

Color Contrast Check

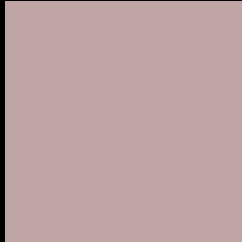
Large Text (above 18pt) WCAG AA × Fail

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 70, 10.500, 20.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

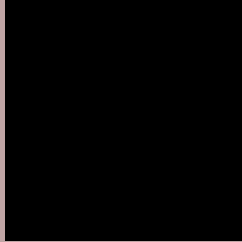
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 10.500, 20.296

Background



This preview shows how black text looks on a background with the CIELCh color 70, 10.500, 20.296.



This preview shows how white text looks on a background with the CIELCh color 70, 10.500, 20.296.

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

70, 10.500, 20.296

Protanopia

70, 2.181, 49.343

Deuteranopia

70, 9.707, 20.221



Tritanopia
70, 13.435, 348.792

Trichromacy



Original Color
70, 10.500, 20.296

Protanomaly
70, 5.012, 25.979

Deuteranomaly
70, 10.103, 20.259

Tritanomaly
70, 11.940, 359.097

Monochromacy



Original Color
70, 10.500, 20.296

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 3.807, 19.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 10.500, 20.296 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(192, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(192, 165, 165)  
}
```

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(192, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 165, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 10.500, 20.296 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(192, 165, 165) }
```

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

```
.border{ border-color:rgb(192, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(192, 165,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 10.500, 20.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 165, 165) }
```

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

```
.background{ background-color: rgb(192,  
165, 165) }
```

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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