

Converting Colors

CIELCh(70, 12.109, 20.452)

Have a look what the booklet for
CIELCh(70, 12.109, 20.452) contains.

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Color

CIELCh(70, 12.109, 20.452)

Conversions

Conversions Part 1

Format	Color
Hex	C3A4A4
RGB	195, 164, 164
RGB Percent	76%, 64%, 64%
CMY	0.2359, 0.3575, 0.3575
CMYK	0.00, 0.16, 0.16, 0.24
HSL	0°, 20%, 70%
HSV	0°, 16%, 76%
XYZ	42.3974, 40.7494, 40.6782
YIQ	173.2690, 18.4760, 6.5720

Conversions

Conversions Part 2

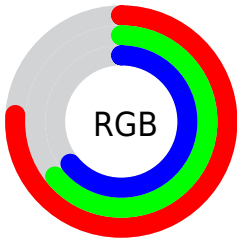
Format	Color
RYB	195, 164, 164
Decimal	12821668
CIELab	70.00, 11.35, 4.23
CIELCh	70, 12.109, 20.452
Yxy	40.7494, 0.3424, 0.3291
Android (android.graphics.Color)	4291011748 (0xFFC3A4A4)
YUV	173.2690, -4.5696, 19.0581
Hunter-Lab	63.8353, 6.8424, 6.9029

Details

The CIELCh color **70, 12.109, 20.452** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77, 10.932, 198.621**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 12.158, 20.235**, and **50, 12.221, 20.826** is the 20% darker color. If you saturate the color by 10%, you get **65, 20.494, 21.427**, and if you desaturate by 10%, it is **75, 4.324, 19.648**.

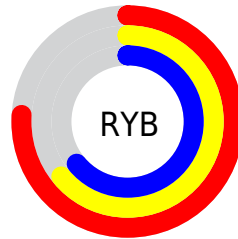
Distribution



Red (76%)

Green (64%)

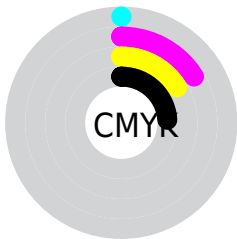
Blue (64%)



Red (76%)

Yellow (64%)

Blue (64%)

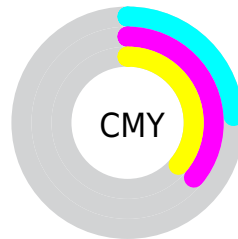


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (24%)



Cyan (24%)

Magenta (36%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 12.109, 20.452 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, 12.109, 20.452 by changing the saturation by 10% instead.

 70, 12.109, 20.452

 70, 12.109, 20.452

 100, 12.109,
20.452

 60, 12.109, 20.452

 90, 12.109, 20.452

 50, 12.109, 20.452

 40, 12.109, 20.452

 30, 12.109, 20.452

 20, 12.109, 20.452

 10, 12.109, 20.452

 0, 12.109, 20.452

 70, 12.109, 20.452

 70, 12.109, 20.452

 65, 20.494, 21.427

 75, 4.324, 19.648

60, 29.464, 22.670

81, 2.878, 199.390

55, 38.929, 24.290

87, 9.540, 198.809

51, 48.717, 26.397

92, 15.718,
198.427

47, 58.559, 29.086

96, 19.663,
198.209

44, 68.083, 32.355

42, 76.690, 35.916

41, 83.115, 38.895

41, 85.404, 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, 12.109, 20.452



77, 10.932, 198.621

Rectangle

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



70, 12.109, 20.452



70, 12.109, 70.452



70, 12.109, 200.452



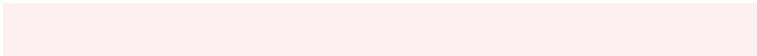
70, 12.109, 250.452

Sweetspot

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



70, 12.107, 20.461



96, 4.501, 19.575



71, 20.425, 325.295



51, 3.105, 19.639



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 12.107, 20.461



86, 18.083, 20.763



74, 10.327, 73.450



38, 4.187, 19.928



33, 73.726, 39.725



3, 13.998, 19.410

Inverse Universe

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



77, 10.932, 198.621



96, 15.949, 198.446



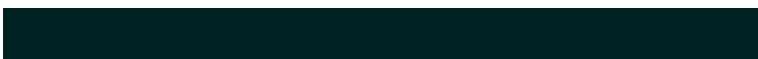
72, 9.918, 257.629



40, 3.949, 198.989



60, 35.470, 196.401



11, 12.442, 196.404

Previews

White Background



This preview shows how the CIELCh color 70, 12.109, 20.452 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, 12.109, 20.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

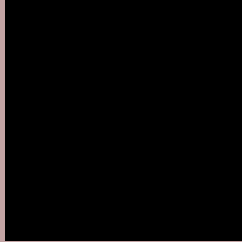
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 12.109, 20.452

Background



This preview shows how black text looks on a background with the CIELCh color 70, 12.109, 20.452.



This preview shows how white text looks on a background with the CIELCh color 70, 12.109, 20.452.

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, 12.109, 20.452

Protanopia

70, 2.181, 49.343

Deuteranopia

70, 10.141, 23.322



Tritanopia
70, 14.777, 352.148

Trichromacy



Original Color
70, 12.109, 20.452

Protanomaly
70, 5.491, 31.215

Deuteranomaly
70, 10.539, 23.242

Tritanomaly
70, 13.419, 1.722

Monochromacy



Original Color
70, 12.109, 20.452

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 4.192, 19.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 12.109, 20.452 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(195, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(195, 164, 164)  
}
```

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(195, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 164, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 12.109, 20.452 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(195, 164, 164) }
```

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

```
.border{ border-color:rgb(195, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(195, 164,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 12.109, 20.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 164, 164) }
```

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

```
.background{ background-color: rgb(195,  
164, 164) }
```

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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