

Converting Colors

CIELCh(70, 45.674, 90.205)

Have a look what the booklet for
CIELCh(70, 45.674, 90.205) contains.

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Color

CIELCh(70, 45.859, 90.522)

Conversions

Conversions Part 1	
Format	Color
Hex	C4A956
RGB	196, 169, 86
RGB Percent	77%, 66%, 34%
CMY	0.2316, 0.3375, 0.6630
CMYK	0.00, 0.14, 0.56, 0.23
HSL	45°, 48%, 55%
HSV	45°, 56%, 77%
XYZ	38.6003, 40.7494, 14.6221
YIQ	167.6110, 42.7350, -20.0890

Conversions

Conversions Part 2

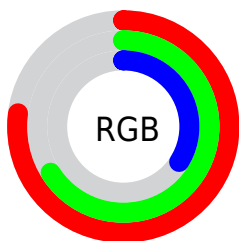
Format	Color
RYB	122, 196, 86
Decimal	12888406
CIELab	70.00, -0.42, 45.86
CIELCh	70, 45.859, 90.522
Yxy	40.7494, 0.4108, 0.4336
Android (android.graphics.Color)	4291078486 (0xFFC4A956)
YUV	167.6110, -40.2342, 24.8972
Hunter-Lab	63.8353, -3.7753, 31.1038

Details

The CIELCh color **70, 45.859, 90.522** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **49, 48.767, 287.687**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 45.874, 90.364**, and **50, 45.681, 90.121** is the 20% darker color. If you saturate the color by 10%, you get **69, 53.401, 89.168**, and if you desaturate by 10%, it is **72, 37.845, 91.845**.

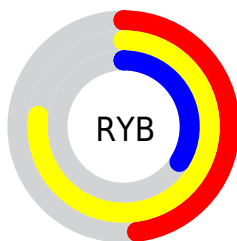
Distribution



Red (77%)

Green (66%)

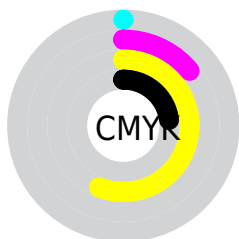
Blue (34%)



Red (48%)

Yellow (77%)

Blue (34%)

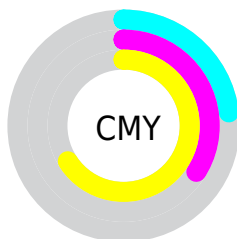


Cyan (0%)

Magenta (14%)

Yellow (56%)

Black (23%)



Cyan (23%)

Magenta (34%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 45.859, 90.522 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, 45.859, 90.522 by changing the saturation by 10% instead.

 70, 45.859, 90.522

 70, 45.859, 90.522

 100, 45.859,
90.522

 60, 45.859, 90.522

 90, 45.859, 90.522

 50, 45.859, 90.522

 40, 45.859, 90.522

 30, 45.859, 90.522

 20, 45.859, 90.522

 10, 45.859, 90.522

 0, 45.859, 90.522

 70, 45.859, 90.522

 70, 45.859, 90.522


 69, 53.401, 89.168

 72, 37.845, 91.845

 67, 60.030, 87.748

 73, 29.625, 93.136

 66, 65.115, 86.207


 75, 21.354, 94.397


 65, 68.018, 84.450


 76, 13.115, 95.622


 64, 68.833, 83.745

 78, 4.953, 96.791

 80, 3.112, 278.036

 82, 11.072,
279.098

 83, 18.926,
280.146

 85, 22.967,
278.780

Harmonies

Complementary

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



70, 45.859, 90.522



49, 48.767, 287.687

Rectangle

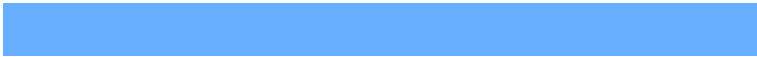
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 45.859, 90.522



70, 45.859, 140.522



70, 45.859, 270.522



70, 45.859, 320.522

Sweetspot

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



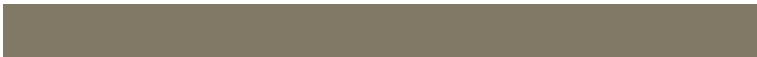
70, 45.859, 90.525



96, 17.124, 95.485



51, 47.017, 7.778



51, 11.467, 95.238



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, 45.859, 90.525



87, 66.770, 88.902



75, 57.278, 116.588



40, 4.546, 96.424



53, 59.482, 84.068



9, 13.734, 88.630

Inverse Universe

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



49, 48.767, 287.687



56, 73.438, 291.061



44, 65.639, 304.792



38, 4.583, 278.711



24, 77.746, 300.471



3, 16.181, 283.455

Previews

White Background



This preview shows how the CIELCh color 70, 45.859, 90.522 looks on a white background.

Color Contrast Check

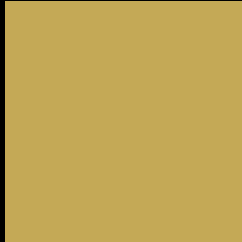
Large Text (above 18pt) WCAG AA × Fail

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, 45.859, 90.522 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, 45.859, 90.522

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.859, 90.522.



This preview shows how white text looks on a background with the CIELCh color 70, 45.859, 90.522.

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, 45.859, 90.522

Protanopia

70, 45.292, 95.535

Deuteranopia

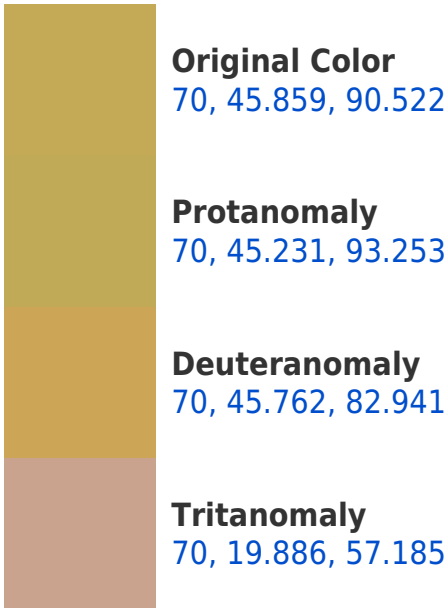
70, 46.393, 79.047



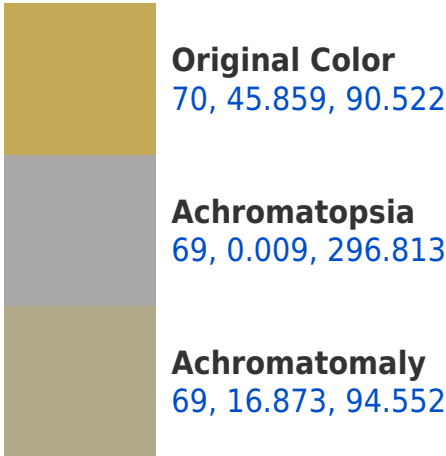
Tritanopia

70, 18.694, 359.008

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.859, 90.522 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(196, 169, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 169, 86)  
}
```

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(196, 169, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 169, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.859, 90.522 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(196, 169, 86) }
```

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

```
.border{ border-color:rgb(196, 169, 86) }
```

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

Here you see how a box with a 4 pixel rgb(196, 169, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 169, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 169, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 169,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.859, 90.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 169, 86) }
```

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

```
.background{ background-color: rgb(196,  
169, 86) }
```

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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