

Converting Colors

CIELCh(70, 53.697, 74.130)

Have a look what the booklet for
CIELCh(70, 53.697, 74.130) contains.

CIELCh(70, 53.805, 74.021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 53.805, 74.021)

Conversions

Conversions Part 1

Format	Color
Hex	DD9F4B
RGB	221, 159, 75
RGB Percent	87%, 62%, 29%
CMY	0.1327, 0.3759, 0.7054
CMYK	0.00, 0.28, 0.66, 0.13
HSL	35°, 68%, 58%
HSV	35°, 66%, 87%
XYZ	43.5618, 40.7494, 12.2496
YIQ	167.9620, 63.9160, -12.9800

Conversions

Conversions Part 2

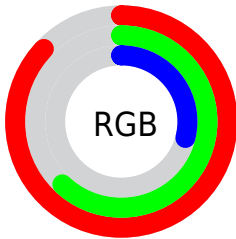
Format	Color
R _{YB}	183, 221, 75
Decimal	14524235
CIE Lab	70.00, 14.81, 51.73
CIE LCh	70, 53.805, 74.021
Yxy	40.7494, 0.4511, 0.4220
Android (android.graphics.Color)	4292714315 (0xFFDD9F4B)
YUV	167.9620, -45.8303, 46.5143
Hunter-Lab	63.8353, 10.0985, 33.3073

Details

The CIELCh color **70, 53.805, 74.021** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **57, 49.230, 277.692**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 48.165, 85.461**, and **50, 53.902, 74.192** is the 20% darker color. If you saturate the color by 10%, you get **68, 61.828, 72.355**, and if you desaturate by 10%, it is **73, 45.305, 75.537**.

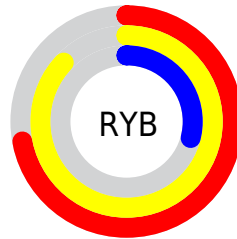
Distribution



Red (87%)

Green (62%)

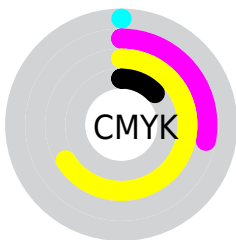
Blue (29%)



Red (72%)

Yellow (87%)

Blue (29%)

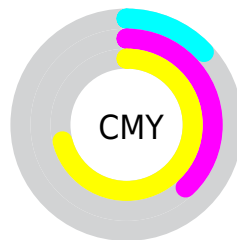


Cyan (0%)

Magenta (28%)

Yellow (66%)

Black (13%)



Cyan (13%)

Magenta (38%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 53.805, 74.021 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, 53.805, 74.021 by changing the saturation by 10% instead.

 70, 53.805, 74.021

 70, 53.805, 74.021

 100, 53.805,
74.021

 60, 53.805, 74.021

 90, 53.805, 74.021

 50, 53.805, 74.021

 40, 53.805, 74.021

 30, 53.805, 74.021

 20, 53.805, 74.021

 10, 53.805, 74.021

 0, 53.805, 74.021

 70, 53.805, 74.021

 70, 53.805, 74.021

 68, 61.828, 72.355

 73, 45.305, 75.537

65, 68.656, 70.366

75, 36.738, 76.973

63, 73.325, 67.788

78, 28.307, 78.363

62, 74.797, 66.682

81, 20.106, 79.718

84, 12.167, 81.035

86, 4.493, 82.280

89, 2.929, 263.718

92, 10.117,
264.843

95, 9.457, 237.192

Harmonies

Complementary

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



70, 53.805, 74.021



57, 49.230, 277.692

Rectangle

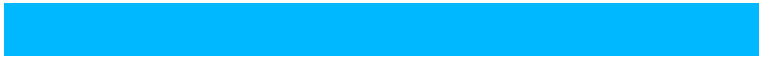
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 53.805, 74.021



70, 53.805, 124.021



70, 53.805, 254.021



70, 53.805, 304.021

Sweetspot

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



70, 53.804, 74.025



93, 17.166, 80.496



54, 62.041, 356.597



49, 11.770, 80.122



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, 53.804, 74.025



76, 71.797, 71.687



85, 70.741, 107.513



45, 4.230, 81.872



49, 62.278, 67.311



12, 18.600, 68.527

Inverse Universe

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



57, 49.230, 277.692



58, 66.442, 282.789



42, 86.543, 302.133



44, 4.183, 264.422



34, 62.265, 290.409



6, 20.237, 280.148

Previews

White Background



This preview shows how the CIELCh color 70, 53.805, 74.021 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 70, 53.805, 74.021 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, 53.805, 74.021

Background



This preview shows how black text looks on a background with the CIELCh color 70, 53.805, 74.021.



This preview shows how white text looks on a background with the CIELCh color 70, 53.805, 74.021.

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, 53.805, 74.021

Protanopia

70, 49.523, 95.920

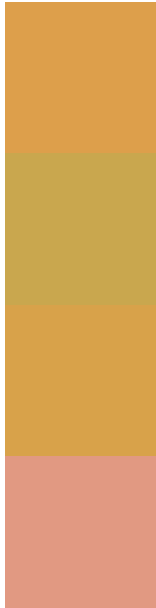
Deuteranopia

70, 52.876, 79.975



Tritanopia
70, 31.004, 11.550

Trichromacy



Original Color
70, 53.805, 74.021

Protanomaly
70, 49.730, 87.481

Deuteranomaly
70, 53.386, 78.087

Tritanomaly
70, 33.459, 43.504

Monochromacy



Original Color
70, 53.805, 74.021

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 19.301, 80.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 53.805, 74.021 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(221, 159, 75)` looks like.

```
.text, #text, p{  
    color:rgb(221, 159, 75)  
}
```

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(221, 159, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 159, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 53.805, 74.021 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(221, 159, 75) }
```

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

```
.border{ border-color:rgb(221, 159, 75) }
```

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

Here you see how a box with a 4 pixel rgb(221, 159, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 159, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 159, 75);  
box-shadow:4px 4px 4px 4px rgb(221, 159,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 53.805, 74.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 159, 75) }
```

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

```
.background{ background-color: rgb(221,  
159, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor