

Converting Colors

CIELCh(72, 40.348, 70.600)

Have a look what the booklet for
CIELCh(72, 40.348, 70.600) contains.

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Color

CIELCh(72, 40.537, 70.658)

Conversions

Conversions Part 1

Format	Color
Hex	DDA66B
RGB	221, 166, 107
RGB Percent	87%, 65%, 42%
CMY	0.1337, 0.3493, 0.5807
CMYK	0.00, 0.25, 0.52, 0.13
HSL	31°, 63%, 64%
HSV	31°, 52%, 87%
XYZ	46.0609, 43.6590, 19.8871
YIQ	175.7190, 51.7190, -6.6890

Conversions

Conversions Part 2

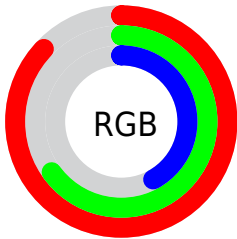
Format	Color
R_{YB}	213, 221, 107
Decimal	14526059
CIE Lab	72.00, 13.43, 38.25
CIE LCh	72, 40.537, 70.658
Yxy	43.6590, 0.4202, 0.3983
Android (android.graphics.Color)	4292716139 (0xFFDDA66B)
YUV	175.7190, -33.8785, 39.7114
Hunter-Lab	66.0750, 8.8011, 28.4075

Details

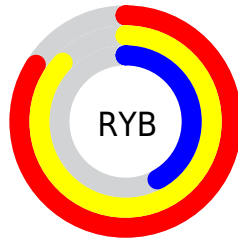
The CIELCh color $72, 40.537, 70.658$ is a light color, and the websafe version is hex `CC9966`. A complement of this color would be $65, 35.492, 267.341$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 34.956, 84.428$, and $52, 40.415, 70.572$ is the 20% darker color. If you saturate the color by 10%, you get $69, 49.235, 69.295$, and if you desaturate by 10%, it is $75, 32.017, 71.987$.

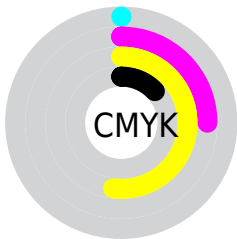
Distribution



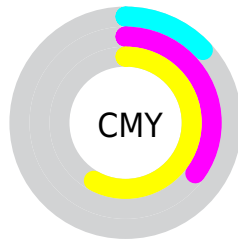
- Red (87%)
- Green (65%)
- Blue (42%)



- Red (84%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (25%)
- Yellow (52%)
- Black (13%)



- Cyan (13%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 40.537, 70.658 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 72, 40.537, 70.658 by changing the saturation by 10% instead.

 72, 40.537, 70.658

 72, 40.537, 70.658

 100, 40.537,
70.658

 62, 40.537, 70.658

 92, 40.537, 70.658

 52, 40.537, 70.658

 42, 40.537, 70.658

 32, 40.537, 70.658

 22, 40.537, 70.658

 12, 40.537, 70.658

 2, 40.537, 70.658

 0, 40.537, 70.658

 72, 40.537, 70.658

 72, 40.537, 70.658

69, 49.235, 69.295

75, 32.017, 71.987

66, 57.844, 67.826

78, 23.793, 73.289

64, 65.823, 66.118

81, 15.905, 74.571

61, 72.258, 63.908

84, 8.353, 75.819

59, 76.121, 61.587

88, 1.121, 76.768

91, 5.821, 258.383

94, 9.844, 248.574

97, 10.353,
209.783

98, 11.509,
198.737

Harmonies

Complementary

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



72, 40.537, 70.658



65, 35.492, 267.341

Rectangle

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



72, 40.537, 70.658



72, 40.537, 120.658



72, 40.537, 250.658



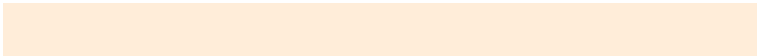
72, 40.537, 300.658

Sweetspot

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



72, 40.537, 70.663



95, 12.232, 75.386



60, 51.330, 350.334



50, 8.385, 75.121



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 40.537, 70.663



79, 55.747, 69.168



86, 57.231, 106.088



44, 4.045, 76.081



47, 63.348, 62.250



11, 18.369, 61.836

Inverse Universe

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



65, 35.492, 267.341



69, 47.587, 270.798



51, 66.180, 298.236



44, 3.967, 258.602



37, 55.753, 285.531



7, 18.618, 275.492

Previews

White Background



This preview shows how the CIELCh color 72, 40.537, 70.658 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 72, 40.537, 70.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

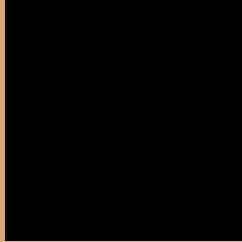
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 40.537, 70.658

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.537, 70.658.



This preview shows how white text looks on a background with the CIELCh color 72, 40.537, 70.658.

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


72, 40.537, 70.658

Protanopia

72, 35.971, 95.718

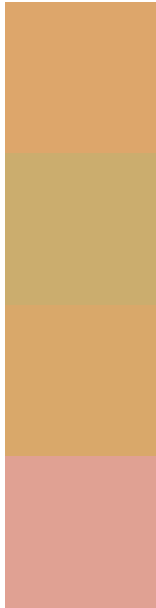
Deuteranopia

72, 39.617, 77.100



Tritanopia
72, 27.264, 8.402

Trichromacy



Original Color
72, 40.537, 70.658

Protanomaly
72, 36.402, 85.988

Deuteranomaly
72, 40.183, 74.677

Tritanomaly
72, 27.184, 37.541

Monochromacy



Original Color
72, 40.537, 70.658

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 13.972, 74.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.537, 70.658 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, 166, 107)` looks like.

```
.text, #text, p{  
    color:rgb(221, 166, 107)  
}
```

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, 166, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 166, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.537, 70.658 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, 166, 107) }
```

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

```
.border{ border-color:rgb(221, 166, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 166, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 166, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 166, 107);  
box-shadow:4px 4px 4px 4px rgb(221, 166,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.537, 70.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 166, 107) }
```

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

```
.background{ background-color: rgb(221,  
166, 107) }
```

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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