

Converting Colors

CIELCh(72, 45.017, 81.850)

Have a look what the booklet for
CIELCh(72, 45.017, 81.850) contains.

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Color

CIELCh(72, 45.007, 81.763)

Conversions

Conversions Part 1

Format	Color
Hex	D4AA5E
RGB	212, 170, 94
RGB Percent	83%, 67%, 37%
CMY	0.1678, 0.3326, 0.6307
CMYK	0.00, 0.20, 0.56, 0.17
HSL	39°, 58%, 60%
HSV	39°, 56%, 83%
XYZ	43.6490, 43.6590, 16.7583
YIQ	173.8940, 49.4280, -14.7320

Conversions

Conversions Part 2

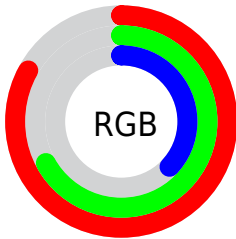
Format	Color
RYB	159, 212, 94
Decimal	13937246
CIELab	72.00, 6.45, 44.54
CIElCh	72, 45.007, 81.763
Yxy	43.6590, 0.4194, 0.4195
Android (android.graphics.Color)	4292127326 (0xFFD4AA5E)
YUV	173.8940, -39.3877, 33.4190
Hunter-Lab	66.0750, 2.2856, 31.2151

Details

The CIELCh color **72, 45.007, 81.763** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **57, 44.159, 280.110**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 42.370, 90.026**, and **52, 45.170, 81.485** is the 20% darker color. If you saturate the color by 10%, you get **70, 53.092, 80.247**, and if you desaturate by 10%, it is **74, 36.695, 83.213**.

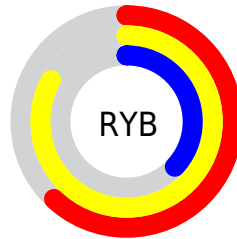
Distribution



Red (83%)

Green (67%)

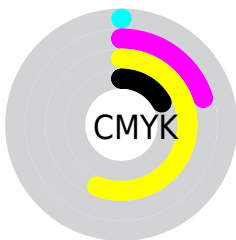
Blue (37%)



Red (62%)

Yellow (83%)

Blue (37%)

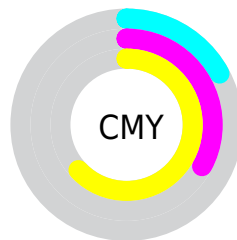


Cyan (0%)

Magenta (20%)

Yellow (56%)

Black (17%)



Cyan (17%)

Magenta (33%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 45.007, 81.763 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, 45.007, 81.763 by changing the saturation by 10% instead.

72, 45.007, 81.763

72, 45.007, 81.763

100, 45.007,
81.763

62, 45.007, 81.763

92, 45.007, 81.763

52, 45.007, 81.763

42, 45.007, 81.763

32, 45.007, 81.763

22, 45.007, 81.763

12, 45.007, 81.763

2, 45.007, 81.763

0, 45.007, 81.763

72, 45.007, 81.763

72, 45.007, 81.763

70, 53.092, 80.247

74, 36.695, 83.213

68, 60.530, 78.593

76, 28.383, 84.610

66, 66.637, 76.685

79, 20.187, 85.966

64, 70.559, 74.322

81, 12.158, 87.278

63, 71.825, 73.201

84, 4.315, 88.515

86, 3.342, 269.889

89, 10.820,
271.015

91, 13.905,
265.004

93, 12.097,
245.109

Harmonies

Complementary

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



72, 45.007, 81.763



57, 44.159, 280.110

Rectangle

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



72, 45.007, 81.763



72, 45.007, 131.763



72, 45.007, 261.763



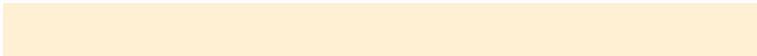
72, 45.007, 311.763

Sweetspot

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



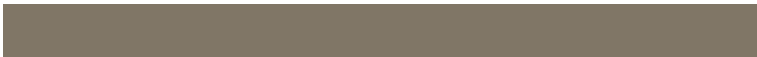
72, 45.007, 81.767



95, 15.391, 87.076



56, 50.800, 359.007



50, 10.320, 86.812



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, 45.007, 81.767



82, 62.850, 79.916



82, 59.615, 111.313



44, 4.416, 88.059



52, 61.108, 73.702



12, 17.883, 76.157

Inverse Universe

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



57, 44.159, 280.110



61, 62.398, 283.877



47, 69.411, 301.763



42, 4.405, 270.553



30, 69.418, 295.064



5, 20.679, 283.148

Previews

White Background



This preview shows how the CIELCh color 72, 45.007, 81.763 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 72, 45.007, 81.763 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, 45.007, 81.763

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.007, 81.763.



This preview shows how white text looks on a background with the CIELCh color 72, 45.007, 81.763.

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, 45.007, 81.763

Protanopia

72, 43.555, 96.126

Deuteranopia

72, 45.006, 78.109



Tritanopia
72, 23.348, 5.587

Trichromacy



Original Color
72, 45.007, 81.763

Protanomaly
72, 44.078, 90.973

Deuteranomaly
72, 44.968, 79.338

Tritanomaly
72, 24.647, 46.833

Monochromacy



Original Color
72, 45.007, 81.763

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 16.378, 86.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.007, 81.763 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(212, 170, 94)` looks like.

```
.text, #text, p{  
    color:rgb(212, 170, 94)  
}
```

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(212, 170, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 170, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.007, 81.763 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(212, 170, 94) }
```

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

```
.border{ border-color:rgb(212, 170, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 170, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 170, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 170, 94);  
box-shadow:4px 4px 4px 4px rgb(212, 170,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.007, 81.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 170, 94) }
```

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

```
.background{ background-color: rgb(212,  
170, 94) }
```

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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