

Converting Colors

CIELCh(66, 72.750, 73.829)

Have a look what the booklet for
CIELCh(66, 72.750, 73.829) contains.

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Color

CIELCh(66, 72.622, 73.792)

Conversions

Conversions Part 1

Format	Color
Hex	DC900A
RGB	220, 144, 10
RGB Percent	86%, 56%, 4%
CMY	0.1359, 0.4341, 0.9619
CMYK	0.00, 0.35, 0.96, 0.14
HSL	38°, 92%, 45%
HSV	38°, 96%, 86%
XYZ	39.6884, 35.3238, 5.0050
YIQ	151.4480, 88.3100, -25.5620

Conversions

Conversions Part 2

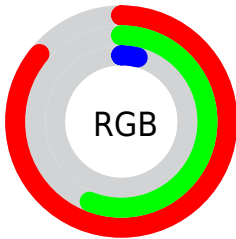
Format	Color
R _Y B	129, 220, 10
Decimal	14454794
CIE Lab	66.00, 20.27, 69.74
CIE LCh	66, 72.622, 73.792
Yxy	35.3238, 0.4960, 0.4415
Android (android.graphics.Color)	4292644874 (0xFFDC900A)
YUV	151.4480, -69.7339, 60.1201
Hunter-Lab	59.4338, 15.1885, 36.6108

Details

The CIELCh color **66, 72.622, 73.792** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **41, 80.707, 293.845**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.365, 82.506**, and **46, 58.211, 69.007** is the 20% darker color. If you saturate the color by 10%, you get **65, 73.900, 72.639**, and if you desaturate by 10%, it is **68, 68.574, 76.194**.

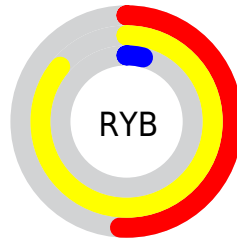
Distribution



Red (86%)

Green (56%)

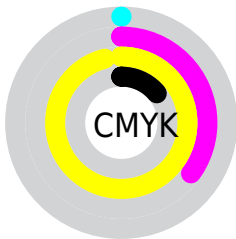
Blue (4%)



Red (51%)

Yellow (86%)

Blue (4%)

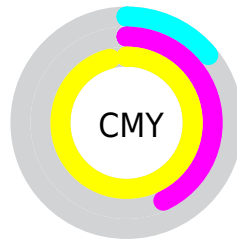


Cyan (0%)

Magenta (35%)

Yellow (96%)

Black (14%)



Cyan (14%)

Magenta (43%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 72.622, 73.792 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 66, 72.622, 73.792 by changing the saturation by 10% instead.

 66, 72.622, 73.792

 66, 72.622, 73.792

 100, 72.622,
73.792

 56, 72.622, 73.792

 86, 72.622, 73.792

 46, 72.622, 73.792

 96, 72.622, 73.792

 36, 72.622, 73.792

 26, 72.622, 73.792

 16, 72.622, 73.792

 6, 72.622, 73.792

 0, 72.622, 73.792

 66, 72.622, 73.792

 66, 72.622, 73.792

 65, 73.900, 72.639

 68, 68.574, 76.194

70, 62.265, 78.121

72, 54.585, 79.786

74, 46.247, 81.313

77, 37.683, 82.764

79, 29.129, 84.167

81, 20.703, 85.527

84, 12.455, 86.844

86, 4.405, 88.085

Harmonies

Complementary

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



66, 72.622, 73.792



41, 80.707, 293.845

Rectangle

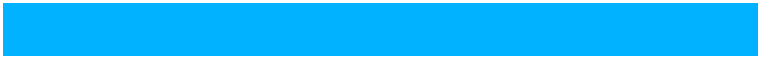
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 72.622, 73.792



66, 72.622, 123.792



66, 72.622, 253.792



66, 72.622, 303.792

Sweetspot

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



66, 72.620, 73.795



92, 26.528, 85.036



47, 75.436, 13.282



48, 18.294, 84.449



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 72.620, 73.795



74, 82.533, 72.358



83, 86.966, 110.804



45, 4.481, 87.624



52, 61.787, 73.187



12, 19.159, 75.642

Inverse Universe

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



41, 80.707, 293.845



45, 95.473, 295.738



29, 116.792, 306.571



43, 4.466, 270.131



31, 69.672, 294.795



5, 21.936, 284.023

Previews

White Background



This preview shows how the CIELCh color 66, 72.622, 73.792 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 66, 72.622, 73.792 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 66, 72.622, 73.792

Background



This preview shows how black text looks on a background with the CIELCh color 66, 72.622, 73.792.



This preview shows how white text looks on a background with the CIELCh color 66, 72.622, 73.792.

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

66, 72.495, 73.754

Protanopia

66, 66.815, 95.195

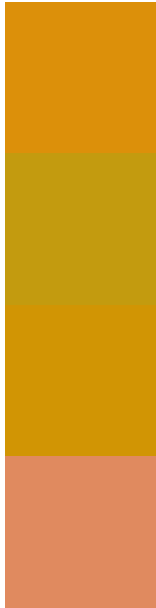
Deuteranopia

66, 70.537, 83.156



Tritanopia
66, 37.668, 15.305

Trichromacy



Original Color
66, 72.495, 73.754

Protanomaly
66, 67.591, 87.123

Deuteranomaly
66, 70.901, 79.657

Tritanomaly
66, 46.535, 51.990

Monochromacy



Original Color
66, 72.495, 73.754

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 29.964, 82.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 72.622, 73.792 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(220, 144, 10)` looks like.

```
.text, #text, p{  
    color:rgb(220, 144, 10)  
}
```

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(220, 144, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 144, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 72.622, 73.792 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(220, 144, 10) }
```

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

```
.border{ border-color:rgb(220, 144, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 144, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 144, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 144, 10);  
box-shadow:4px 4px 4px 4px rgb(220, 144,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 72.622, 73.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 144, 10) }
```

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

```
.background{ background-color: rgb(220,  
144, 10) }
```

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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