

Converting Colors

CIELCh(72, 70.426, 75.159)

Have a look what the booklet for
CIELCh(72, 70.426, 75.159) contains.

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Color

CIELCh(72, 70.413, 75.092)

Conversions

Conversions Part 1

Format	Color
Hex	ECA229
RGB	236, 162, 41
RGB Percent	93%, 64%, 16%
CMY	0.0759, 0.3659, 0.8407
CMYK	0.00, 0.31, 0.83, 0.08
HSL	37°, 83%, 54%
HSV	37°, 83%, 92%
XYZ	47.7304, 43.6590, 7.9754
YIQ	170.3320, 82.9450, -21.9430

Conversions

Conversions Part 2

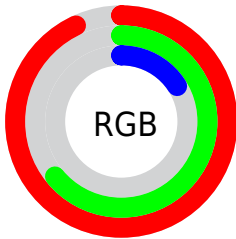
Format	Color
R _Y B	160, 236, 41
Decimal	15508009
CIE Lab	72.00, 18.11, 68.04
CIE LCh	72, 70.413, 75.092
Yxy	43.6590, 0.4804, 0.4394
Android (android.graphics.Color)	4293698089 (0xFFECA229)
YUV	170.3320, -63.7607, 57.5908
Hunter-Lab	66.0750, 13.3113, 39.0960

Details

The CIELCh color **72, 70.413, 75.092** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **50, 70.685, 287.777**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 62.042, 89.910**, and **52, 62.238, 72.192** is the 20% darker color. If you saturate the color by 10%, you get **70, 75.556, 72.777**, and if you desaturate by 10%, it is **74, 63.150, 76.968**.

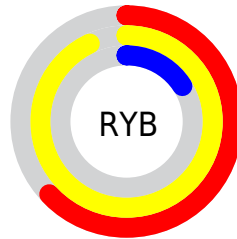
Distribution



Red (93%)

Green (64%)

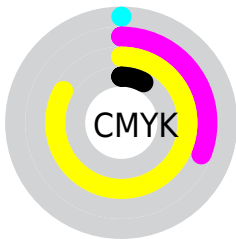
Blue (16%)



Red (63%)

Yellow (93%)

Blue (16%)

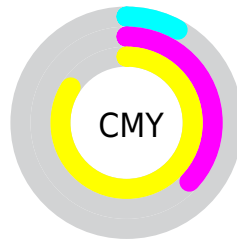


Cyan (0%)

Magenta (31%)

Yellow (83%)

Black (8%)



Cyan (8%)

Magenta (37%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 70.413, 75.092 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, 70.413, 75.092 by changing the saturation by 10% instead.

72, 70.413, 75.092

72, 70.413, 75.092

100, 70.413,
75.092

62, 70.413, 75.092

92, 70.413, 75.092

52, 70.413, 75.092

42, 70.413, 75.092

32, 70.413, 75.092

22, 70.413, 75.092

12, 70.413, 75.092

2, 70.413, 75.092

0, 70.413, 75.092

72, 70.413, 75.092

72, 70.413, 75.092

70, 75.556, 72.777

74, 63.150, 76.968

68, 77.851, 70.782

77, 54.723, 78.603

79, 45.803, 80.115

82, 36.773, 81.560

84, 27.834, 82.960

87, 19.078, 84.318

90, 10.544, 85.629

92, 2.239, 86.801

95, 5.844, 268.226

Harmonies

Complementary

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



72, 70.413, 75.092



50, 70.685, 287.777

Rectangle

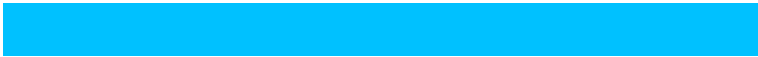
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 70.413, 75.092



72, 70.413, 125.092



72, 70.413, 255.092



72, 70.413, 305.092

Sweetspot

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



72, 70.412, 75.095



93, 22.419, 84.002



52, 74.738, 5.939



48, 15.368, 83.524



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, 70.412, 75.095



74, 82.349, 70.908



89, 86.682, 109.577



48, 4.657, 86.045



53, 63.867, 71.381



15, 22.802, 73.850

Inverse Universe

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



50, 70.685, 287.777



47, 91.576, 294.254



35, 112.830, 305.530



46, 4.631, 268.589



33, 69.988, 293.769



7, 25.210, 286.435

Previews

White Background



This preview shows how the CIELCh color 72, 70.413, 75.092 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, 70.413, 75.092 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, 70.413, 75.092

Background



This preview shows how black text looks on a background with the CIELCh color 72, 70.413, 75.092.



This preview shows how white text looks on a background with the CIELCh color 72, 70.413, 75.092.

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, 70.413, 75.092

Protanopia

72, 65.518, 95.026

Deuteranopia

72, 69.013, 82.290



Tritanopia
72, 36.510, 13.856

Trichromacy



Original Color
72, 70.413, 75.092

Protanomaly
72, 66.162, 87.373

Deuteranomaly
72, 69.487, 79.627

Tritanomaly
72, 42.837, 49.347

Monochromacy



Original Color
72, 70.413, 75.092

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 26.649, 82.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 70.413, 75.092 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(236, 162, 41)` looks like.

```
.text, #text, p{  
    color:rgb(236, 162, 41)  
}
```

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(236, 162, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 162, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 70.413, 75.092 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(236, 162, 41) }
```

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

```
.border{ border-color:rgb(236, 162, 41) }
```

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

Here you see how a box with a 4 pixel rgb(236, 162, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 162, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 162, 41);  
box-shadow:4px 4px 4px 4px rgb(236, 162,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 70.413, 75.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 162, 41) }
```

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

```
.background{ background-color: rgb(236,  
162, 41) }
```

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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