

Converting Colors

CIELCh(73, 90.330, 128.401)

Have a look what the booklet for
CIELCh(73, 90.330, 128.401)
contains.

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Color

CIELCh(73, 90.267, 128.404)

Conversions

Conversions Part 1

Format	Color
Hex	66CA0D
RGB	102, 202, 13
RGB Percent	40%, 79%, 5%
CMY	0.5995, 0.2073, 0.9477
CMYK	0.49, 0.00, 0.93, 0.21
HSL	92°, 88%, 42%
HSV	92°, 93%, 79%
XYZ	26.7207, 45.1644, 7.7011
YIQ	150.5540, 1.0690, -79.9790

Conversions

Conversions Part 2

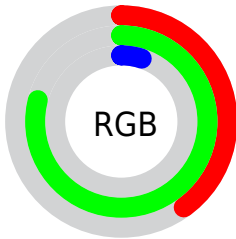
Format	Color
RYB	13, 202, 113
Decimal	6736397
CIELab	73.00, -56.07, 70.74
CIELCh	73, 90.267, 128.404
Yxy	45.1644, 0.3357, 0.5675
Android (android.graphics.Color)	4284926477 (0xFF66CA0D)
YUV	150.5540, -67.8141, -42.5819
Hunter-Lab	67.2044, -46.6356, 40.2490

Details

The CIELCh color **73, 90.267, 128.404** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **34, 101.421, 312.924**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.805, 128.023**, and **53, 77.496, 134.153** is the 20% darker color. If you saturate the color by 10%, you get **73, 92.536, 129.090**, and if you desaturate by 10%, it is **73, 85.420, 127.637**.

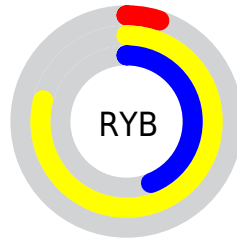
Distribution



Red (40%)

Green (79%)

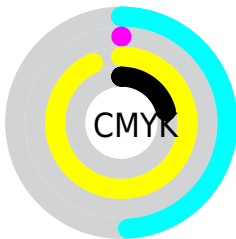
Blue (5%)



Red (5%)

Yellow (79%)

Blue (44%)

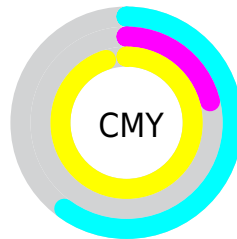


Cyan (49%)

Magenta (0%)

Yellow (93%)

Black (21%)



Cyan (60%)


Magenta (21%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 90.267, 128.404 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 73, 90.267, 128.404 by changing the saturation by 10% instead.


 73, 90.267,
128.404


 73, 90.267,
128.404


 100, 90.267,
128.404


 63, 90.267,
128.404


 93, 90.267,
128.404

 53, 90.267,
128.404

 43, 90.267,
128.404

 33, 90.267,
128.404

 23, 90.267,
128.404

 13, 90.267,
128.404

 3, 90.267, 128.404

■ 0, 90.267, 128.404

■ 73, 90.267,
128.404

■ 73, 90.267,
128.404

■ 73, 92.536,
129.090

■ 73, 85.420,
127.637

■ 74, 78.473,
127.336

■ 75, 69.832,
127.391

■ 76, 59.987,
127.677

■ 76, 49.357,
128.090

■ 77, 38.247,
128.561

■ 78, 26.873,
129.046

■ 80, 15.385,
129.520

■ 81, 3.887, 129.988

Harmonies

Complementary

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



73, 90.267, 128.404



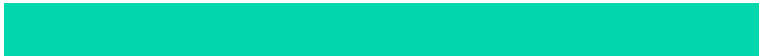
34, 101.421, 312.924

Rectangle

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



73, 90.267, 128.404



73, 90.267, 178.404



73, 90.267, 308.404



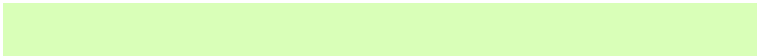
73, 90.267, 358.404

Sweetspot

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



73, 90.267, 128.405



96, 38.793, 128.804



56, 68.233, 63.488



51, 26.739, 128.592



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 90.267, 128.405



90, 110.487, 129.310



71, 98.665, 136.396



42, 6.556, 129.705



61, 79.663, 128.860



13, 24.789, 131.509

Inverse Universe

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



34, 101.421, 312.924



42, 124.238, 312.370



48, 94.566, 328.827



40, 6.640, 310.495



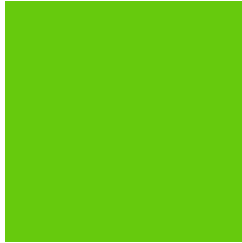
26, 89.739, 312.685



3, 24.692, 307.770

Previews

White Background



This preview shows how the CIELCh color 73, 90.267, 128.404 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 73, 90.267, 128.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

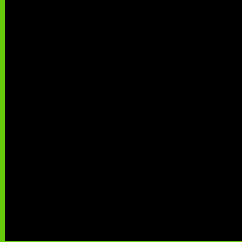
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 90.267, 128.404

Background



This preview shows how black text looks on a background with the CIELCh color 73, 90.267, 128.404.



This preview shows how white text looks on a background with the CIELCh color 73, 90.267, 128.404.

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

73, 90.267, 128.404

Protanopia

72, 74.782, 94.847

Deuteranopia

72, 67.860, 82.115



Tritanopia
73, 20.447, 221.758

Trichromacy



Original Color
73, 90.267, 128.404



Protanomaly
72, 76.965, 110.109



Deuteranomaly
71, 69.844, 103.687



Tritanomaly
72, 42.161, 147.521

Monochromacy



Original Color
73, 90.267, 128.404



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 40.277, 128.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 90.267, 128.404 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(102, 202, 13)` looks like.

```
.text, #text, p{  
    color:rgb(102, 202, 13)  
}
```

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(102, 202, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 202, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 90.267, 128.404 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(102, 202, 13) }
```

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

```
.border{ border-color:rgb(102, 202, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 202, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 202, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 202, 13);  
box-shadow:4px 4px 4px 4px rgb(102, 202,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 90.267, 128.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 202, 13) }
```

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

```
.background{ background-color: rgb(102,  
202, 13) }
```

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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