

Converting Colors

CIELCh(70, 89.716, 128.686)

Have a look what the booklet for
CIELCh(70, 89.716, 128.686)
contains.

CIELCh(70, 89.444, 128.765)	3
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Color

CIELCh(70, 89.444, 128.765)

Conversions

Conversions Part 1

Format	Color
Hex	5DC200
RGB	93, 194, 0
RGB Percent	36%, 76%, 0%
CMY	0.6367, 0.2404, 1.0000
CMYK	0.52, 0.00, 1.00, 0.24
HSL	91°, 100%, 38%
HSV	91°, 100%, 76%
XYZ	23.6953, 40.7494, 6.5925
YIQ	141.6850, 2.0780, -81.7460

Conversions

Conversions Part 2

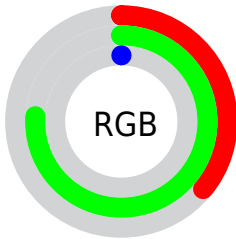
Format	Color
RYB	0, 194, 101
Decimal	6144512
CIELab	70.00, -56.00, 69.74
CIELCh	70, 89.444, 128.765
Yxy	40.7494, 0.3336, 0.5736
Android (android.graphics.Color)	4284334592 (0xFF5DC200)
YUV	141.6850, -69.8507, -42.6967
Hunter-Lab	63.8353, -45.4536, 38.5616

Details

The CIELCh color **70, 89.444, 128.765** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **31, 101.021, 312.364**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.231, 128.740**, and **50, 75.528, 135.299** is the 20% darker color. If you saturate the color by 10%, you get **70, 89.364, 128.796**, and if you desaturate by 10%, it is **70, 85.756, 127.809**.

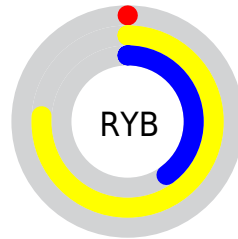
Distribution



Red (36%)

Green (76%)

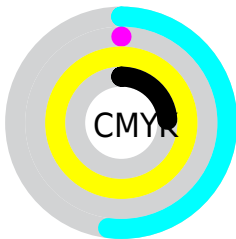
Blue (0%)



Red (0%)

Yellow (76%)

Blue (40%)

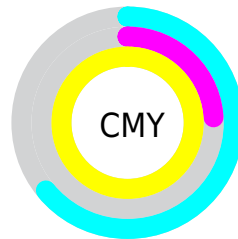


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (64%)


Magenta (24%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 89.444, 128.765 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 70, 89.444, 128.765 by changing the saturation by 10% instead.


 70, 89.444,
128.765


 70, 89.444,
128.765


 100, 89.444,
128.765

 60, 89.444,
128.765


 90, 89.444,
128.765

 50, 89.444,
128.765

 40, 89.444,
128.765

 30, 89.444,
128.765

 20, 89.444,
128.765

 10, 89.444,
128.765

 0, 89.444, 128.765

■ 70, 89.444,
128.765

■ 70, 89.444,
128.765

■ 70, 89.364,
128.796

■ 70, 85.756,
127.809

■ 71, 80.327,
127.214

■ 72, 72.994,
127.051

■ 72, 64.202,
127.198

■ 73, 54.408,
127.535

■ 74, 43.974,
127.971

■ 75, 33.160,
128.449

■ 76, 22.147,

128.932

■ 77, 11.061,
129.400

Harmonies

Complementary

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



70, 89.444, 128.765



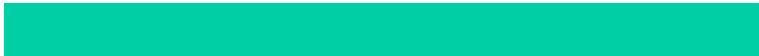
31, 101.021, 312.364

Rectangle

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



70, 89.444, 128.765



70, 89.444, 178.765



70, 89.444, 308.765



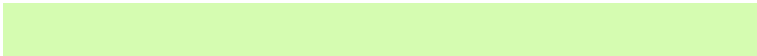
70, 89.444, 358.765

Sweetspot

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



70, 89.364, 128.796



95, 41.113, 128.426



52, 68.898, 61.849



50, 28.225, 128.219



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 89.364, 128.796



89, 109.360, 129.054



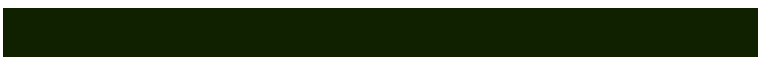
68, 97.087, 136.144



40, 6.273, 129.429



59, 77.623, 128.569



11, 21.274, 133.189

Inverse Universe

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



31, 101.021, 312.364



41, 123.506, 312.184



46, 92.744, 328.907



38, 6.354, 310.218



25, 87.824, 312.521



2, 20.292, 306.125

Previews

White Background



This preview shows how the CIELCh color 70, 89.444, 128.765 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 70, 89.444, 128.765 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 70, 89.444, 128.765

Background



This preview shows how black text looks on a background with the CIELCh color 70, 89.444, 128.765.



This preview shows how white text looks on a background with the CIELCh color 70, 89.444, 128.765.

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
70, 89.444, 128.765

Protanopia
69, 72.276, 94.862

Deuteranopia
69, 65.713, 82.002



Tritanopia
70, 20.735, 221.564

Trichromacy



Original Color
70, 89.444, 128.765



Protanomaly
69, 75.154, 110.628



Deuteranomaly
68, 68.755, 104.330



Tritanomaly
69, 43.509, 146.769

Monochromacy



Original Color
70, 89.444, 128.765



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 41.133, 128.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 89.444, 128.765 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(93, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 194, 0)  
}
```

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(93, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 194, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 89.444, 128.765 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(93, 194, 0) }
```

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

```
.border{ border-color:rgb(93, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 194, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 89.444, 128.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 194, 0) }
```

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

```
.background{ background-color: rgb(93, 194,  
0) }
```

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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