

Converting Colors

CIELCh(63, 75.676, 122.073)

Have a look what the booklet for
CIELCh(63, 75.676, 122.073)
contains.

CIELCh(63, 75.850, 122.188)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 75.850, 122.188)

Conversions

Conversions Part 1

Format	Color
Hex	6EA902
RGB	110, 169, 2
RGB Percent	43%, 66%, 1%
CMY	0.5696, 0.3382, 0.9904
CMYK	0.35, 0.00, 0.99, 0.34
HSL	81°, 97%, 34%
HSV	81°, 99%, 66%
XYZ	20.5532, 31.5869, 5.0832
YIQ	132.3210, 18.4430, -64.4450

Conversions

Conversions Part 2

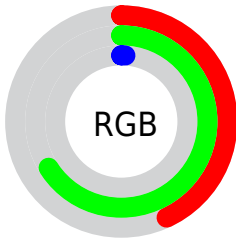
Format	Color
RYB	2, 169, 61
Decimal	7252226
CIELab	63.00, -40.41, 64.19
CIELCh	63, 75.850, 122.188
Yxy	31.5869, 0.3592, 0.5520
Android (android.graphics.Color)	4285442306 (0xFF6EA902)
YUV	132.3210, -64.2483, -19.5755
Hunter-Lab	56.2022, -33.0765, 33.9791

Details

The CIELCh color **63, 75.850, 122.188** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **23, 93.556, 309.182**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 76.268, 122.064**, and **43, 61.395, 128.731** is the 20% darker color. If you saturate the color by 10%, you get **63, 76.275, 122.316**, and if you desaturate by 10%, it is **63, 72.684, 121.314**.

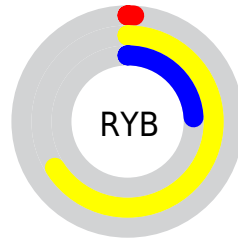
Distribution



Red (43%)

Green (66%)

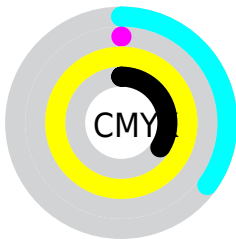
Blue (1%)



Red (1%)

Yellow (66%)

Blue (24%)

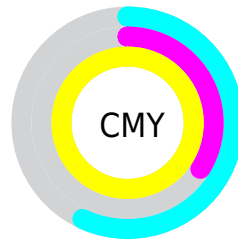


Cyan (35%)

Magenta (0%)

Yellow (99%)

Black (34%)



Cyan (57%)


Magenta (34%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 75.850, 122.188 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 63, 75.850, 122.188 by changing the saturation by 10% instead.

 63, 75.850,
122.188


 63, 75.850,
122.188

 100, 75.850,
122.188


 53, 75.850,
122.188


 83, 75.850,
122.188

 43, 75.850,
122.188

 93, 75.850,
122.188

 33, 75.850,
122.188

 23, 75.850,
122.188

 13, 75.850,
122.188

 3, 75.850, 122.188

 0, 75.850, 122.188

■ 63, 75.850,
122.188

■ 63, 75.850,
122.188

■ 63, 76.275,
122.316

■ 63, 72.684,
121.314

■ 64, 67.878,
120.844

■ 64, 61.465,
120.765

■ 65, 53.847,
120.964

■ 65, 45.409,
121.340

■ 66, 36.447,
121.816

■ 67, 27.166,
122.340

■ 68, 17.708,

122.879

■ 68, 8.168, 123.414

Harmonies

Complementary

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



63, 75.850, 122.188



23, 93.556, 309.182

Rectangle

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



63, 75.850, 122.188



63, 75.850, 172.188



63, 75.850, 302.188



63, 75.850, 352.188

Sweetspot

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



63, 75.850, 122.189



84, 35.286, 122.234



41, 66.432, 50.398



44, 23.980, 122.021



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 75.850, 122.189



80, 92.919, 122.596



60, 86.439, 135.133



35, 5.391, 123.375



56, 69.146, 122.147



5, 10.007, 126.676

Inverse Universe

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



23, 93.556, 309.182



31, 114.891, 308.998



36, 85.487, 322.575



33, 5.483, 304.332



20, 85.476, 309.288



1, 9.794, 302.002

Previews

White Background



This preview shows how the CIELCh color 63, 75.850, 122.188 looks on a white background.

Color Contrast Check

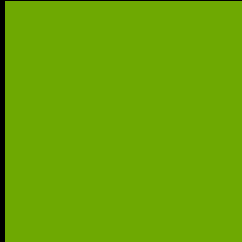
Large Text (above 18pt) WCAG AA × Fail

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 63, 75.850, 122.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

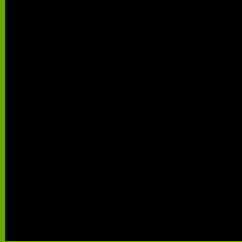
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 75.850, 122.188

Background



This preview shows how black text looks on a background with the CIELCh color 63, 75.850, 122.188.



This preview shows how white text looks on a background with the CIELCh color 63, 75.850, 122.188.

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


63, 75.973, 122.147

Protanopia

63, 66.503, 95.200

Deuteranopia

63, 60.931, 82.464



Tritanopia
63, 12.305, 231.892

Trichromacy



Original Color
63, 75.973, 122.147

Protanomaly
62, 67.791, 106.342

Deuteranomaly
62, 62.645, 99.849

Tritanomaly
62, 33.449, 135.799

Monochromacy



Original Color
63, 75.973, 122.147

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 34.453, 121.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 75.850, 122.188 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(110, 169, 2)` looks like.

```
.text, #text, p{  
    color:rgb(110, 169, 2)  
}
```

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(110, 169, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 169, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 75.850, 122.188 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(110, 169, 2) }
```

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

```
.border{ border-color:rgb(110, 169, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 169, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 169, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 169, 2);  
box-shadow:4px 4px 4px 4px rgb(110, 169,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 75.850, 122.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 169, 2) }
```

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

```
.background{ background-color: rgb(110,  
169, 2) }
```

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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