

Converting Colors

CIELCh(64, 75.916, 120.896)

Have a look what the booklet for
CIELCh(64, 75.916, 120.896)
contains.

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Color

CIELCh(64, 75.985, 120.901)

Conversions

Conversions Part 1

Format	Color
Hex	74AB02
RGB	116, 171, 2
RGB Percent	45%, 67%, 1%
CMY	0.5455, 0.3298, 0.9929
CMYK	0.32, 0.00, 0.99, 0.33
HSL	80°, 98%, 34%
HSV	80°, 99%, 67%
XYZ	21.7451, 32.8017, 5.2365
YIQ	135.2890, 21.4690, -64.2190

Conversions

Conversions Part 2

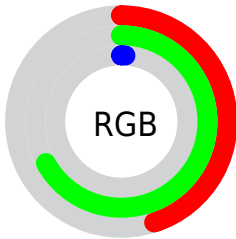
Format	Color
RYB	2, 171, 57
Decimal	7645954
CIELab	64.00, -39.02, 65.20
CIELCh	64, 75.985, 120.901
Yxy	32.8017, 0.3637, 0.5487
Android (android.graphics.Color)	4285836034 (0xFF74AB02)
YUV	135.2890, -65.7115, -16.9165
Hunter-Lab	57.2727, -32.4550, 34.6700

Details

The CIELCh color **64, 75.985, 120.901** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **23, 95.171, 308.719**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 76.119, 120.886**, and **44, 61.180, 127.110** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.285, 120.992**, and if you desaturate by 10%, it is **64, 72.942, 120.052**.

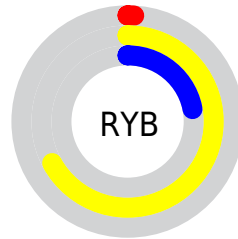
Distribution



Red (45%)

Green (67%)

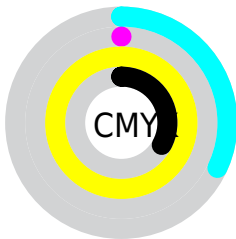
Blue (1%)



Red (1%)

Yellow (67%)

Blue (22%)

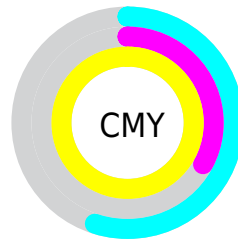


Cyan (32%)

Magenta (0%)

Yellow (99%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 75.985, 120.901 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 64, 75.985, 120.901 by changing the saturation by 10% instead.


 64, 75.985,
120.901


 64, 75.985,
120.901


 100, 75.985,
120.901


 54, 75.985,
120.901


 84, 75.985,
120.901

 44, 75.985,
120.901

 94, 75.985,
120.901

 34, 75.985,
120.901

 24, 75.985,
120.901

 14, 75.985,
120.901

 4, 75.985, 120.901

 0, 75.985, 120.901

■ 64, 75.985,
120.901

■ 64, 75.985,
120.901

■ 64, 76.285,
120.992

■ 64, 72.942,
120.052

■ 65, 68.262,
119.592

■ 65, 61.932,
119.522

■ 66, 54.358,
119.732

■ 66, 45.935,
120.120

■ 67, 36.965,
120.612

■ 68, 27.662,
121.155

■ 68, 18.170,

121.716

■ 69, 8.587, 122.274

Harmonies

Complementary

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



64, 75.985, 120.901



23, 95.171, 308.719

Rectangle

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



64, 75.985, 120.901



64, 75.985, 170.901



64, 75.985, 300.901



64, 75.985, 350.901

Sweetspot

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



64, 75.985, 120.902



85, 35.416, 121.068



40, 68.571, 48.478



45, 24.294, 120.843



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 75.985, 120.902



81, 92.843, 121.258



61, 86.977, 134.787



36, 5.498, 122.253



57, 69.382, 120.837



6, 11.846, 126.153

Inverse Universe

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



23, 95.171, 308.719



31, 116.540, 308.557



35, 86.757, 321.369



34, 5.597, 303.264



20, 87.044, 308.824



1, 11.562, 300.490

Previews

White Background



This preview shows how the CIELCh color 64, 75.985, 120.901 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 64, 75.985, 120.901 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 64, 75.985, 120.901

Background



This preview shows how black text looks on a background with the CIELCh color 64, 75.985, 120.901.



This preview shows how white text looks on a background with the CIELCh color 64, 75.985, 120.901.

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](#).

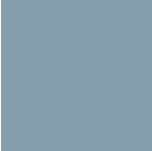
Dichromacy



Original Color
64, 75.985, 120.901

Protanopia
64, 67.439, 95.335

Deuteranopia
64, 62.144, 82.480



Tritanopia
64, 11.505, 238.045

Trichromacy



Original Color
64, 75.985, 120.901

Protanomaly
64, 68.704, 105.906

Deuteranomaly
63, 63.754, 99.071

Tritanomaly
63, 32.621, 133.558

Monochromacy



Original Color
64, 75.985, 120.901

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 34.743, 120.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 75.985, 120.901 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(116, 171, 2)` looks like.

```
.text, #text, p{  
    color:rgb(116, 171, 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(116, 171, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 171, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 75.985, 120.901 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(116, 171, 2) }
```

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

```
.border{ border-color:rgb(116, 171, 2) }
```

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

Here you see how a box with a 4 pixel rgb(116, 171, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 171, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 171, 2);  
box-shadow:4px 4px 4px 4px rgb(116, 171,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 75.985, 120.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 171, 2) }
```

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

```
.background{ background-color: rgb(116,  
171, 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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