

Converting Colors

CIELCh(64, 64.661, 123.992)

Have a look what the booklet for
CIELCh(64, 64.661, 123.992)
contains.

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Color

CIELCh(64, 64.566, 123.875)

Conversions

Conversions Part 1

Format	Color
Hex	76AA32
RGB	118, 170, 50
RGB Percent	46%, 67%, 20%
CMY	0.5375, 0.3336, 0.8042
CMYK	0.31, 0.00, 0.71, 0.33
HSL	86°, 55%, 43%
HSV	86°, 71%, 67%
XYZ	22.3989, 32.8017, 8.1608
YIQ	140.7720, 7.5280, -48.3440

Conversions

Conversions Part 2

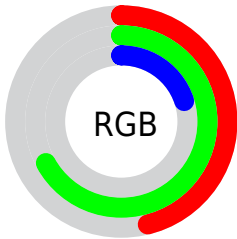
Format	Color
RYB	50, 170, 102
Decimal	7776818
CIELab	64.00, -35.99, 53.61
CIELCh	64, 64.566, 123.875
Yxy	32.8017, 0.3535, 0.5177
Android (android.graphics.Color)	4285966898 (0xFF76AA32)
YUV	140.7720, -44.7506, -19.9710
Hunter-Lab	57.2727, -30.4173, 31.6426

Details

The CIELCh color **64, 64.566, 123.875** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **34, 73.329, 310.643**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 64.899, 123.742**, and **44, 60.060, 125.737** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.935, 124.061**, and if you desaturate by 10%, it is **65, 56.908, 124.000**.

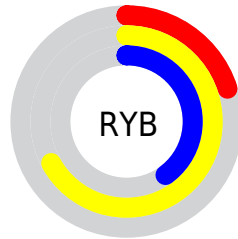
Distribution



Red (46%)

Green (67%)

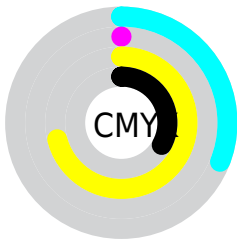
Blue (20%)



Red (20%)

Yellow (67%)

Blue (40%)

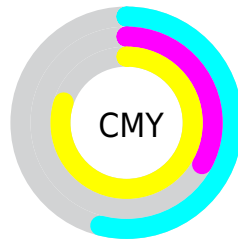


Cyan (31%)

Magenta (0%)

Yellow (71%)

Black (33%)



Cyan (54%)


Magenta (33%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 64.566, 123.875 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, 64.566, 123.875 by changing the saturation by 10% instead.


 64, 64.566,
123.875


 64, 64.566,
123.875


 100, 64.566,
123.875


 54, 64.566,
123.875


 84, 64.566,
123.875

 44, 64.566,
123.875

 94, 64.566,
123.875

 34, 64.566,
123.875

 24, 64.566,
123.875

 14, 64.566,
123.875

 4, 64.566, 123.875

 0, 64.566, 123.875

■ 64, 64.566,
123.875

■ 64, 64.566,
123.875

■ 63, 70.935,
124.061

■ 65, 56.908,
124.000

■ 63, 75.624,
124.671

■ 65, 48.358,
124.320

■ 63, 78.676,
125.565

■ 66, 39.234,
124.751

■ 67, 29.762,
125.234

■ 68, 20.098,
125.731

■ 69, 10.349,
126.223

■ 70, 0.590, 126.823

■ 71, 9.126, 307.106

■ 72, 18.762,
307.514

Harmonies

Complementary

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



64, 64.566, 123.875



34, 73.329, 310.643

Rectangle

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



64, 64.566, 123.875



64, 64.566, 173.875



64, 64.566, 303.875



64, 64.566, 353.875

Sweetspot

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



64, 64.566, 123.876



86, 25.429, 125.693



50, 46.097, 60.365



46, 17.340, 125.560



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, 64.566, 123.876



81, 90.203, 124.365



62, 73.959, 137.175



35, 5.473, 126.288



55, 70.927, 125.378



5, 10.169, 129.400

Inverse Universe

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



34, 73.329, 310.643



38, 105.385, 310.941



43, 73.319, 325.606



33, 5.556, 307.139



21, 84.148, 310.683



1, 9.900, 304.512

Previews

White Background



This preview shows how the CIELCh color 64, 64.566, 123.875 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, 64.566, 123.875 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, 64.566, 123.875

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.566, 123.875.



This preview shows how white text looks on a background with the CIELCh color 64, 64.566, 123.875.

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, 64.566, 123.875

Protanopia

64, 56.523, 95.605

Deuteranopia

64, 52.394, 81.381



Tritanopia
64, 10.935, 236.714

Trichromacy



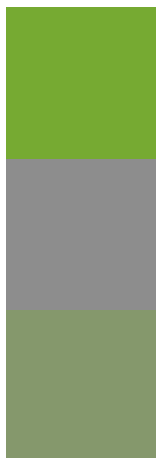
Original Color
64, 64.566, 123.875

Protanomaly
63, 57.506, 107.120

Deuteranomaly
63, 52.421, 99.420

Tritanomaly
64, 24.314, 142.349

Monochromacy



Original Color
64, 64.566, 123.875

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 25.704, 125.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.566, 123.875 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(118, 170, 50)` looks like.

```
.text, #text, p{  
    color:rgb(118, 170, 50)  
}
```

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(118, 170, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 170, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.566, 123.875 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(118, 170, 50) }
```

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

```
.border{ border-color:rgb(118, 170, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 170, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 170, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 170, 50);  
box-shadow:4px 4px 4px 4px rgb(118, 170,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.566, 123.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 170, 50) }
```

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

```
.background{ background-color: rgb(118,  
170, 50) }
```

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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