

Converting Colors

CIELCh(63, 75.198, 124.604)

Have a look what the booklet for
CIELCh(63, 75.198, 124.604)
contains.

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Color

CIELCh(63, 75.363, 124.543)

Conversions

Conversions Part 1

Format	Color
Hex	68AA10
RGB	104, 170, 16
RGB Percent	41%, 67%, 6%
CMY	0.5935, 0.3346, 0.9357
CMYK	0.39, 0.00, 0.90, 0.33
HSL	86°, 82%, 36%
HSV	86°, 90%, 67%
XYZ	20.0787, 31.5869, 5.5444
YIQ	132.7100, 10.0980, -61.8860

Conversions

Conversions Part 2

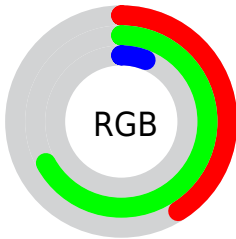
Format	Color
RYB	16, 170, 82
Decimal	6859280
CIELab	63.00, -42.73, 62.08
CIElCh	63, 75.363, 124.543
Yxy	31.5869, 0.3510, 0.5521
Android (android.graphics.Color)	4285049360 (0xFF68AA10)
YUV	132.7100, -57.5380, -25.1787
Hunter-Lab	56.2022, -34.5835, 33.4925

Details

The CIELCh color **63, 75.363, 124.543** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **27, 88.602, 310.821**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 75.402, 124.471**, and **43, 62.946, 130.524** is the 20% darker color. If you saturate the color by 10%, you get **63, 78.515, 125.461**, and if you desaturate by 10%, it is **63, 70.634, 123.948**.

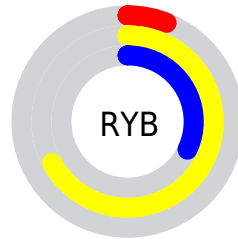
Distribution



Red (41%)

Green (67%)

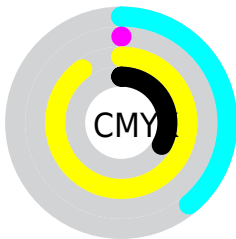
Blue (6%)



Red (6%)

Yellow (67%)

Blue (32%)

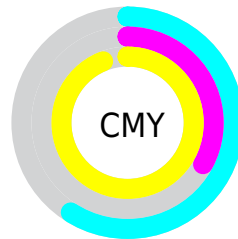


Cyan (39%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (59%)


Magenta (33%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 75.363, 124.543 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, 75.363, 124.543 by changing the saturation by 10% instead.


 63, 75.363,
124.543


 63, 75.363,
124.543


 100, 75.363,
124.543


 53, 75.363,
124.543


 83, 75.363,
124.543

 43, 75.363,
124.543

 93, 75.363,
124.543

 33, 75.363,
124.543

 23, 75.363,
124.543

 13, 75.363,
124.543

 3, 75.363, 124.543

 0, 75.363, 124.543

■ 63, 75.363,
124.543

■ 63, 75.363,
124.543

■ 63, 78.515,
125.461

■ 63, 70.634,
123.948

■ 64, 64.238,
123.775

■ 65, 56.565,
123.906

■ 65, 48.012,
124.231

■ 66, 38.894,
124.664

■ 67, 29.434,
125.148

■ 68, 19.785,
125.647

■ 68, 10.054,

126.140

■ 69, 0.313, 126.865

Harmonies

Complementary

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



63, 75.363, 124.543



27, 88.602, 310.821

Rectangle

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



63, 75.363, 124.543



63, 75.363, 174.543



63, 75.363, 304.543



63, 75.363, 354.543

Sweetspot

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



63, 75.363, 124.544



85, 32.624, 125.290



45, 59.884, 56.287



45, 22.131, 125.125



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 75.363, 124.544



80, 96.149, 125.762



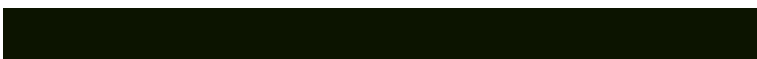
61, 84.995, 135.821



35, 5.470, 126.191



55, 70.865, 125.276



5, 10.163, 129.313

Inverse Universe

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



27, 88.602, 310.821



33, 114.151, 310.308



39, 83.286, 325.146



33, 5.553, 307.045



21, 84.194, 310.631



1, 9.896, 304.428

Previews

White Background



This preview shows how the CIELCh color 63, 75.363, 124.543 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, 75.363, 124.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

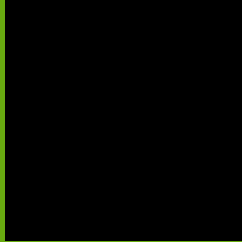
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 75.363, 124.543

Background



This preview shows how black text looks on a background with the CIELCh color 63, 75.363, 124.543.

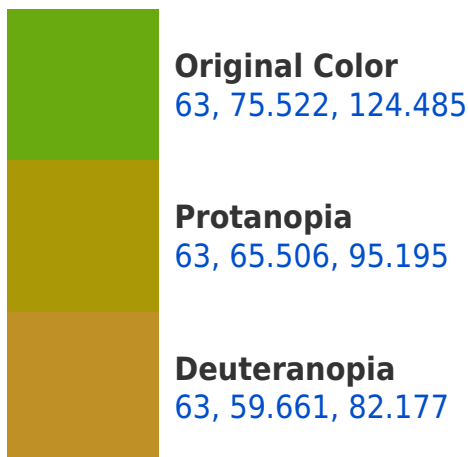


This preview shows how white text looks on a background with the CIELCh color 63, 75.363, 124.543.

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





Tritanopia
63, 13.956, 227.401

Trichromacy



Original Color
63, 75.522, 124.485

Protanomaly
62, 66.634, 107.303

Deuteranomaly
62, 60.514, 100.836

Tritanomaly
62, 32.513, 141.934

Monochromacy



Original Color
63, 75.522, 124.485

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 32.765, 124.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 75.363, 124.543 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(104, 170, 16)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 16)  
}
```

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(104, 170, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 75.363, 124.543 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(104, 170, 16) }
```

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

```
.border{ border-color:rgb(104, 170, 16) }
```

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

Here you see how a box with a 4 pixel rgb(104, 170, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 16);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 75.363, 124.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 16) }
```

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

```
.background{ background-color: rgb(104,  
170, 16) }
```

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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