

Converting Colors

CIELCh(63, 77.230, 126.847)

Have a look what the booklet for
CIELCh(63, 77.230, 126.847)
contains.

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Color

CIELCh(63, 77.202, 126.808)

Conversions

Conversions Part 1

Format	Color
Hex	5FAB11
RGB	95, 171, 17
RGB Percent	37%, 67%, 7%
CMY	0.6276, 0.3295, 0.9335
CMYK	0.44, 0.00, 0.90, 0.33
HSL	90°, 82%, 37%
HSV	90°, 90%, 67%
XYZ	19.3747, 31.5869, 5.6041
YIQ	130.7200, 4.1380, -64.0060

Conversions

Conversions Part 2

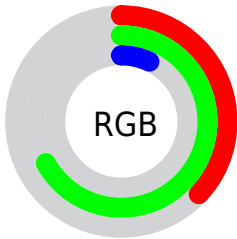
Format	Color
RYB	17, 171, 93
Decimal	6269713
CIELab	63.00, -46.25, 61.81
CIELCh	63, 77.202, 126.808
Yxy	31.5869, 0.3425, 0.5584
Android (android.graphics.Color)	4284459793 (0xFF5FAB11)
YUV	130.7200, -56.0640, -31.3264
Hunter-Lab	56.2022, -36.8194, 33.4296

Details

The CIELCh color **63, 77.202, 126.808** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **29, 88.074, 312.251**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 77.223, 126.821**, and **43, 65.179, 133.015** is the 20% darker color. If you saturate the color by 10%, you get **63, 80.609, 127.733**, and if you desaturate by 10%, it is **63, 72.237, 126.234**.

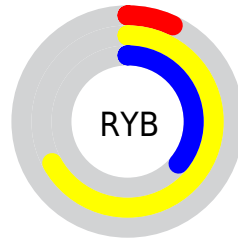
Distribution



Red (37%)

Green (67%)

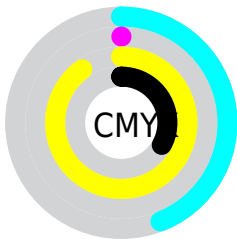
Blue (7%)



Red (7%)

Yellow (67%)

Blue (36%)

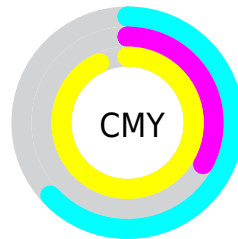


Cyan (44%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (63%)

Magenta (33%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 77.202, 126.808 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, 77.202, 126.808 by changing the saturation by 10% instead.

 63, 77.202,
126.808

 63, 77.202,
126.808

 100, 77.202,
126.808


 53, 77.202,
126.808

 83, 77.202,
126.808

 43, 77.202,
126.808

 93, 77.202,
126.808

 33, 77.202,
126.808

 23, 77.202,
126.808

 13, 77.202,
126.808

 3, 77.202, 126.808

 0, 77.202, 126.808

■ 63, 77.202,
126.808

■ 63, 77.202,
126.808

■ 63, 80.609,
127.733

■ 63, 72.237,
126.234

■ 64, 65.595,
126.079

■ 65, 57.675,
126.223

■ 65, 48.877,
126.554

■ 66, 39.517,
126.985

■ 67, 29.822,
127.459

■ 68, 19.948,
127.940

■ 69, 10.005,

128.410

■ 70, 0.069, 130.333

Harmonies

Complementary

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



63, 77.202, 126.808



29, 88.074, 312.251

Rectangle

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



63, 77.202, 126.808



63, 77.202, 176.808



63, 77.202, 306.808



63, 77.202, 356.808

Sweetspot

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



63, 77.202, 126.809



85, 33.116, 127.585



47, 58.732, 61.717



45, 22.469, 127.425



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, 77.202, 126.809



79, 98.178, 128.024



61, 86.034, 136.364



36, 5.684, 128.446



56, 73.251, 127.563



6, 12.283, 131.958

Inverse Universe

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



29, 88.074, 312.251



35, 112.627, 311.616



41, 83.515, 327.540



34, 5.761, 309.243



23, 84.152, 311.932



1, 11.818, 305.652

Previews

White Background



This preview shows how the CIELCh color 63, 77.202, 126.808 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 CIE LCh color 63, 77.202, 126.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

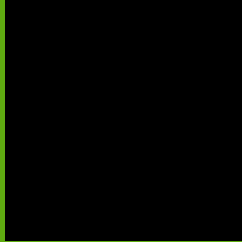
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 77.202, 126.808

Background



This preview shows how black text looks on a background with the CIELCh color 63, 77.202, 126.808.

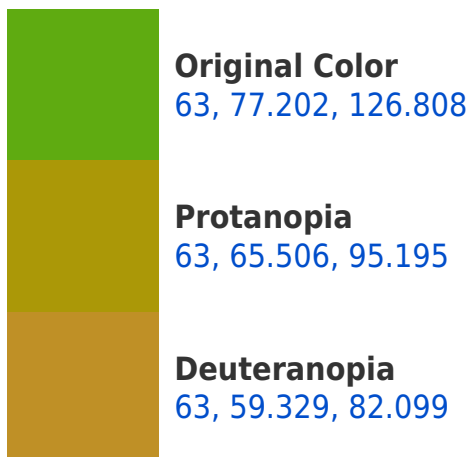


This preview shows how white text looks on a background with the CIELCh color 63, 77.202, 126.808.

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, 16.072, 225.392

Trichromacy



Original Color
63, 77.202, 126.808

Protanomaly
62, 67.066, 109.208

Deuteranomaly
62, 60.814, 102.581

Tritanomaly
62, 33.812, 146.185

Monochromacy



Original Color
63, 77.202, 126.808

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 33.354, 127.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 77.202, 126.808 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(95, 171, 17)` looks like.

```
.text, #text, p{  
    color:rgb(95, 171, 17)  
}
```

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(95, 171, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 171, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 77.202, 126.808 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(95, 171, 17) }
```

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

```
.border{ border-color:rgb(95, 171, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 171, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 171, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 171, 17);  
box-shadow:4px 4px 4px 4px rgb(95, 171,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 77.202, 126.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 171, 17) }
```

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

```
.background{ background-color: rgb(95, 171,  
17) }
```

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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