

Converting Colors

CIELCh(62, 71.496, 128.605)

Have a look what the booklet for
CIELCh(62, 71.496, 128.605)
contains.

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Color

CIELCh(62, 71.643, 128.762)

Conversions

Conversions Part 1

Format	Color
Hex	5DA825
RGB	93, 168, 37
RGB Percent	36%, 66%, 15%
CMY	0.6359, 0.3417, 0.8555
CMYK	0.45, 0.00, 0.78, 0.34
HSL	94°, 64%, 40%
HSV	94°, 78%, 66%
XYZ	18.8054, 30.4025, 6.6138
YIQ	130.6410, -2.6490, -56.6410

Conversions

Conversions Part 2

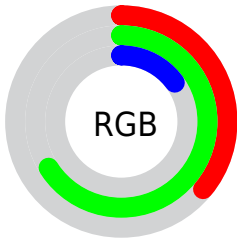
Format	Color
RYB	37, 168, 112
Decimal	6137893
CIELab	62.00, -44.85, 55.86
CIELCh	62, 71.643, 128.762
Yxy	30.4025, 0.3369, 0.5446
Android (android.graphics.Color)	4284327973 (0xFF5DA825)
YUV	130.6410, -46.1650, -33.0112
Hunter-Lab	55.1385, -35.6135, 31.4852

Details

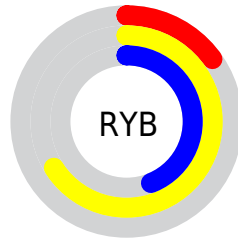
The CIELCh color **62, 71.643, 128.762** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **33, 78.271, 314.518**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 71.605, 128.929**, and **42, 63.859, 132.844** is the 20% darker color. If you saturate the color by 10%, you get **62, 77.084, 129.170**, and if you desaturate by 10%, it is **63, 64.603, 128.741**.

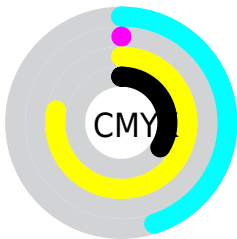
Distribution



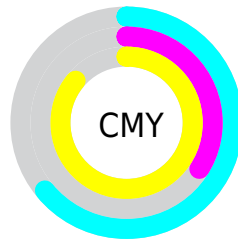
- Red (36%)
- Green (66%)
- Blue (15%)



- Red (15%)
- Yellow (66%)
- Blue (44%)



- Cyan (45%)
- Magenta (0%)
- Yellow (78%)
- Black (34%)





- Cyan (64%)
- Magenta (34%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 71.643, 128.762 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 62, 71.643, 128.762 by changing the saturation by 10% instead.


 62, 71.643,
128.762


 62, 71.643,
128.762


 100, 71.643,
128.762


 52, 71.643,
128.762


 82, 71.643,
128.762

 42, 71.643,
128.762

 92, 71.643,
128.762

 32, 71.643,
128.762

 22, 71.643,
128.762

 12, 71.643,
128.762

 2, 71.643, 128.762

 0, 71.643, 128.762

■ 62, 71.643,
128.762

■ 62, 71.643,
128.762

■ 62, 77.084,
129.170

■ 63, 64.603,
128.741

■ 61, 80.818,
129.980

■ 63, 56.376,
128.979

■ 61, 81.480,
130.128

■ 64, 47.348,
129.368

■ 65, 37.815,
129.830

■ 66, 27.990,
130.313

■ 67, 18.024,
130.788

■ 68, 8.021, 131.243

■ 69, 1.943, 311.574

■ 70, 11.814,
312.000

Harmonies

Complementary

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



62, 71.643, 128.762



33, 78.271, 314.518

Rectangle

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



62, 71.643, 128.762



62, 71.643, 178.762



62, 71.643, 308.762



62, 71.643, 358.762

Sweetspot

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



62, 71.643, 128.763



84, 28.544, 130.535



52, 50.633, 71.467



44, 19.718, 130.369



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 71.643, 128.763



78, 97.642, 129.799



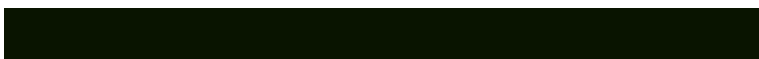
60, 76.741, 138.728



35, 5.652, 131.188



54, 74.116, 129.964



5, 10.472, 133.546

Inverse Universe

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



33, 78.271, 314.518



38, 107.437, 313.955



41, 73.987, 330.297



33, 5.716, 311.935



24, 81.721, 313.867



1, 10.141, 308.928

Previews

White Background



This preview shows how the CIELCh color 62, 71.643, 128.762 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 62, 71.643, 128.762 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 62, 71.643, 128.762

Background



This preview shows how black text looks on a background with the CIELCh color 62, 71.643, 128.762.



This preview shows how white text looks on a background with the CIELCh color 62, 71.643, 128.762.

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
62, 71.643, 128.762

Protanopia
62, 59.129, 94.963

Deuteranopia
61, 53.778, 81.407



Tritanopia
62, 16.093, 225.446

Trichromacy



Original Color
62, 71.643, 128.762

Protanomaly
61, 60.776, 109.961

Deuteranomaly
61, 54.590, 103.545

Tritanomaly
61, 30.198, 150.700

Monochromacy



Original Color
62, 71.643, 128.762

Achromatopsia
54, 0.007, 296.813

Achromatomaly
57, 29.391, 130.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 71.643, 128.762 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(93, 168, 37)` looks like.

```
.text, #text, p{  
    color:rgb(93, 168, 37)  
}
```

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(93, 168, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 168, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 71.643, 128.762 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(93, 168, 37) }
```

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

```
.border{ border-color:rgb(93, 168, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 168, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 168, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 168, 37);  
box-shadow:4px 4px 4px 4px rgb(93, 168,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 71.643, 128.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 168, 37) }
```

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

```
.background{ background-color: rgb(93, 168,  
37) }
```

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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