

Converting Colors

CIELCh(62, 69.174, 126.833)

Have a look what the booklet for
CIELCh(62, 69.174, 126.833)
contains.

CIELCh(62, 69.282, 126.897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(62, 69.282, 126.897)

Conversions

Conversions Part 1

Format	Color
Hex	65A727
RGB	101, 167, 39
RGB Percent	40%, 65%, 15%
CMY	0.6053, 0.3464, 0.8485
CMYK	0.40, 0.00, 0.77, 0.35
HSL	91°, 62%, 40%
HSV	91°, 77%, 65%
XYZ	19.4436, 30.4025, 6.7300
YIQ	132.6740, 1.7520, -53.8000

Conversions

Conversions Part 2

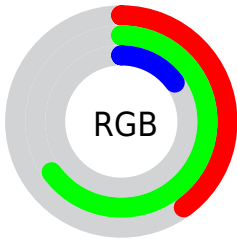
Format	Color
RYB	39, 167, 105
Decimal	6661927
CIELab	62.00, -41.60, 55.41
CIElCh	62, 69.282, 126.897
Yxy	30.4025, 0.3437, 0.5374
Android (android.graphics.Color)	4284852007 (0xFF65A727)
YUV	132.6740, -46.1813, -27.7781
Hunter-Lab	55.1385, -33.5474, 31.3602

Details

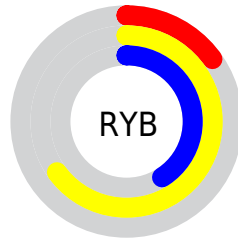
The CIELCh color **62, 69.282, 126.897** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **32, 77.219, 312.960**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 69.442, 126.894**, and **42, 61.885, 130.664** is the 20% darker color. If you saturate the color by 10%, you get **62, 74.795, 127.304**, and if you desaturate by 10%, it is **63, 62.248, 126.870**.

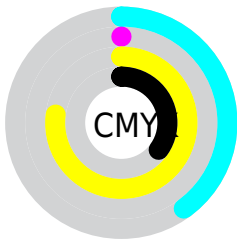
Distribution



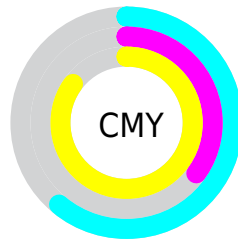
- Red (40%)
- Green (65%)
- Blue (15%)



- Red (15%)
- Yellow (65%)
- Blue (41%)



- Cyan (40%)
- Magenta (0%)
- Yellow (77%)
- Black (35%)





- Cyan (61%)
- Magenta (35%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 69.282, 126.897 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, 69.282, 126.897 by changing the saturation by 10% instead.

 62, 69.282,
126.897


 62, 69.282,
126.897


 100, 69.282,
126.897


 52, 69.282,
126.897


 82, 69.282,
126.897

 42, 69.282,
126.897

 92, 69.282,
126.897

 32, 69.282,
126.897

 22, 69.282,
126.897

 12, 69.282,
126.897

 2, 69.282, 126.897

 0, 69.282, 126.897

■ 62, 69.282,
126.897

■ 62, 69.282,
126.897

■ 62, 74.795,
127.304

■ 63, 62.248,
126.870

■ 61, 78.578,
128.151

■ 63, 54.100,
127.097

■ 61, 79.637,
128.424

■ 64, 45.207,
127.474

■ 65, 35.848,
127.925

■ 66, 26.220,
128.403

■ 67, 16.459,
128.877

■ 68, 6.662, 129.337

■ 69, 3.102, 309.705

■ 70, 12.787,
310.115

Harmonies

Complementary

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



62, 69.282, 126.897



32, 77.219, 312.960

Rectangle

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



62, 69.282, 126.897



62, 69.282, 176.897



62, 69.282, 306.897



62, 69.282, 356.897

Sweetspot

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



62, 69.282, 126.898



84, 27.859, 128.566



49, 49.424, 65.621



44, 19.424, 128.399



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, 69.282, 126.898



78, 94.300, 127.854



60, 78.078, 137.524



35, 5.574, 129.224



55, 72.834, 128.262



5, 10.344, 131.917

Inverse Universe

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



32, 77.219, 312.960



37, 106.657, 312.633



42, 76.364, 327.916



33, 5.646, 310.001



23, 82.706, 312.456



1, 10.032, 307.084

Previews

White Background



This preview shows how the CIELCh color 62, 69.282, 126.897 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, 69.282, 126.897 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, 69.282, 126.897

Background



This preview shows how black text looks on a background with the CIELCh color 62, 69.282, 126.897.



This preview shows how white text looks on a background with the CIELCh color 62, 69.282, 126.897.

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, 69.282, 126.897

Protanopia
62, 58.503, 94.946

Deuteranopia
62, 53.552, 81.913



Tritanopia
62, 14.206, 229.586

Trichromacy



Original Color
62, 69.282, 126.897

Protanomaly
61, 59.574, 108.436

Deuteranomaly
61, 54.240, 102.133

Tritanomaly
61, 28.111, 148.061

Monochromacy



Original Color
62, 69.282, 126.897

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 28.195, 127.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 69.282, 126.897 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(101, 167, 39)` looks like.

```
.text, #text, p{  
    color:rgb(101, 167, 39)  
}
```

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(101, 167, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 167, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 69.282, 126.897 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(101, 167, 39) }
```

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

```
.border{ border-color:rgb(101, 167, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 167, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 167, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 167, 39);  
box-shadow:4px 4px 4px 4px rgb(101, 167,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 69.282, 126.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 167, 39) }
```

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

```
.background{ background-color: rgb(101,  
167, 39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor