

Converting Colors

CIELCh(62, 68.166, 138.610)

Have a look what the booklet for
CIELCh(62, 68.166, 138.610)
contains.

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Color

CIELCh(62, 67.890, 138.753)

Conversions

Conversions Part 1

Format	Color
Hex	42AA40
RGB	66, 170, 64
RGB Percent	26%, 67%, 25%
CMY	0.7399, 0.3322, 0.7479
CMYK	0.61, 0.00, 0.62, 0.33
HSL	119°, 45%, 46%
HSV	119°, 62%, 67%
XYZ	17.6321, 30.4025, 9.8304
YIQ	126.8200, -27.9580, -55.0140

Conversions

Conversions Part 2

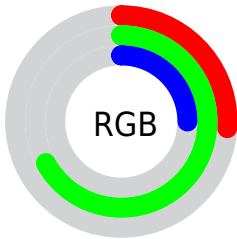
Format	Color
RYB	64, 170, 168
Decimal	4368960
CIELab	62.00, -51.04, 44.76
CIELCh	62, 67.890, 138.753
Yxy	30.4025, 0.3047, 0.5254
Android (android.graphics.Color)	4282559040 (0xFF42AA40)
YUV	126.8200, -30.9703, -53.3391
Hunter-Lab	55.1385, -39.4119, 28.0263

Details

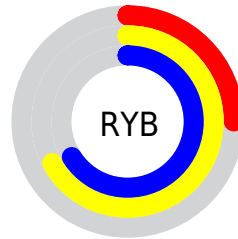
The CIELCh color **62, 67.890, 138.753** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **46, 67.250, 326.887**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 67.563, 138.779**, and **42, 66.214, 136.725** is the 20% darker color. If you saturate the color by 10%, you get **61, 76.030, 137.719**, and if you desaturate by 10%, it is **63, 58.379, 139.817**.

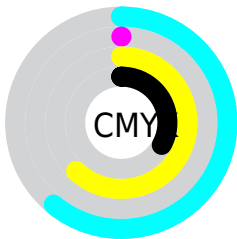
Distribution



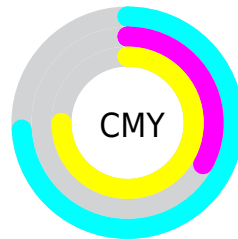
- Red (26%)
- Green (67%)
- Blue (25%)



- Red (25%)
- Yellow (67%)
- Blue (66%)



- Cyan (61%)
- Magenta (0%)
- Yellow (62%)
- Black (33%)





- Cyan (74%)
- Magenta (33%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 67.890, 138.753 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, 67.890, 138.753 by changing the saturation by 10% instead.


 62, 67.890,
138.753


 62, 67.890,
138.753


 100, 67.890,
138.753


 52, 67.890,
138.753


 82, 67.890,
138.753

 42, 67.890,
138.753

 92, 67.890,
138.753

 32, 67.890,
138.753

 22, 67.890,
138.753

 12, 67.890,
138.753

 2, 67.890, 138.753

 0, 67.890, 138.753

■ 62, 67.890,
138.753

■ 62, 67.890,
138.753

■ 61, 76.030,
137.719

■ 63, 58.379,
139.817

■ 61, 82.341,
136.839

■ 64, 47.915,
140.826

■ 61, 86.446,
136.248

■ 65, 36.849,
141.738

■ 61, 88.404,
135.927

■ 66, 25.462,
142.540

■ 68, 13.974,
143.235

■ 69, 2.548, 143.895

■ 71, 8.698, 324.279

■ 73, 19.686,
324.716

■ 75, 30.366,
325.078

Harmonies

Complementary

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



62, 67.890, 138.753



46, 67.250, 326.887

Rectangle

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



62, 67.890, 138.753



62, 67.890, 188.753



62, 67.890, 318.753



62, 67.890, 8.753

Sweetspot

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



62, 67.890, 138.754



85, 26.941, 142.753



67, 53.191, 102.898



45, 18.700, 142.549



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 67.890, 138.754



78, 96.060, 137.332



63, 48.194, 155.006



35, 6.379, 143.426



53, 79.683, 135.911



5, 11.609, 144.000

Inverse Universe

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



46, 67.250, 326.887



55, 94.190, 327.263



44, 50.170, 348.771



33, 6.391, 324.393



34, 77.057, 327.481



2, 11.571, 323.710

Previews

White Background



This preview shows how the CIE LCh color 62, 67.890, 138.753 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, 67.890, 138.753 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, 67.890, 138.753

Background



This preview shows how black text looks on a background with the CIELCh color 62, 67.890, 138.753.

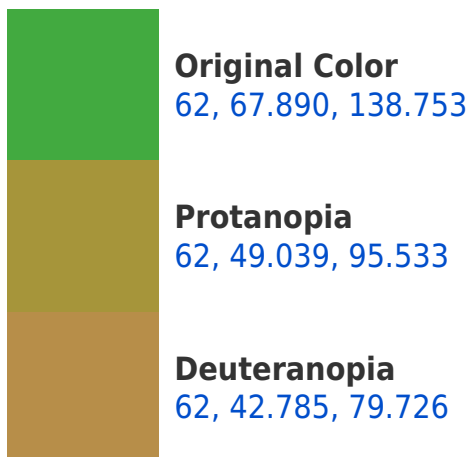


This preview shows how white text looks on a background with the CIELCh color 62, 67.890, 138.753.

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
62, 22.396, 215.331

Trichromacy



Original Color
62, 67.890, 138.753



Protanomaly
61, 52.356, 117.656



Deuteranomaly
60, 44.335, 111.530



Tritanomaly
62, 33.495, 165.234

Monochromacy



Original Color
62, 67.890, 138.753



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 26.999, 142.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 67.890, 138.753 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(66, 170, 64)` looks like.

```
.text, #text, p{  
    color:rgb(66, 170, 64)  
}
```

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(66, 170, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 170, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 67.890, 138.753 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(66, 170, 64) }
```

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

```
.border{ border-color:rgb(66, 170, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 170, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 170, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 170, 64);  
box-shadow:4px 4px 4px 4px rgb(66, 170,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 67.890, 138.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 170, 64) }
```

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

```
.background{ background-color: rgb(66, 170,  
64) }
```

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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