

Converting Colors

CIELCh(62, 77.776, 136.706)

Have a look what the booklet for
CIELCh(62, 77.776, 136.706)
contains.

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Color

CIELCh(62, 77.727, 136.657)

Conversions

Conversions Part 1

Format	Color
Hex	35AC2B
RGB	53, 172, 43
RGB Percent	21%, 67%, 17%
CMY	0.7926, 0.3258, 0.8317
CMYK	0.69, 0.00, 0.75, 0.33
HSL	115°, 60%, 42%
HSV	115°, 75%, 67%
XYZ	16.6345, 30.4025, 7.2690
YIQ	121.7130, -29.5150, -65.3470

Conversions

Conversions Part 2

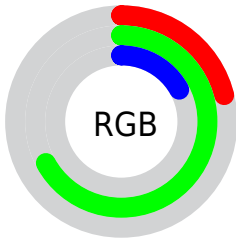
Format	Color
RYB	43, 172, 162
Decimal	3517483
CIELab	62.00, -56.53, 53.35
CIELCh	62, 77.727, 136.657
Yxy	30.4025, 0.3063, 0.5598
Android (android.graphics.Color)	4281707563 (0xFF35AC2B)
YUV	121.7130, -38.8055, -60.2613
Hunter-Lab	55.1385, -42.6415, 30.7807

Details

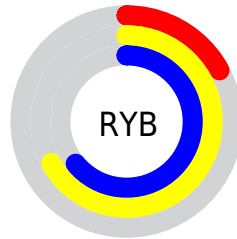
The CIELCh color $62, 77.727, 136.657$ is a dark color, and the websafe version is hex 009900 . A complement of this color would be $42, 76.939, 325.332$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $82, 77.623, 136.645$, and $43, 67.775, 136.016$ is the 20% darker color. If you saturate the color by 10%, you get $62, 83.670, 136.061$, and if you desaturate by 10%, it is $63, 69.901, 137.473$.

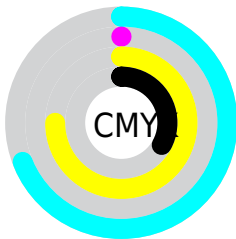
Distribution



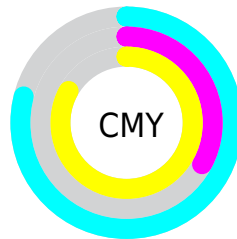
- Red (21%)
- Green (67%)
- Blue (17%)



- Red (17%)
- Yellow (67%)
- Blue (64%)



- Cyan (69%)
- Magenta (0%)
- Yellow (75%)
- Black (33%)



- Cyan (79%)
- Magenta (33%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 77.727, 136.657 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, 77.727, 136.657 by changing the saturation by 10% instead.

 62, 77.727,
136.657


 62, 77.727,
136.657


 100, 77.727,
136.657

 52, 77.727,
136.657


 82, 77.727,
136.657

 42, 77.727,
136.657

 92, 77.727,
136.657

 32, 77.727,
136.657

 22, 77.727,
136.657

 12, 77.727,
136.657

 2, 77.727, 136.657

 0, 77.727, 136.657

■ 62, 77.727,
136.657

■ 62, 77.727,
136.657

■ 62, 83.670,
136.061

■ 63, 69.901,
137.473

■ 61, 87.392,
135.794

■ 63, 60.654,
138.380

■ 61, 88.700,
135.658

■ 64, 50.418,
139.281

■ 65, 39.551,
140.122

■ 67, 28.331,
140.876

■ 68, 16.977,
141.539

■ 69, 5.648, 142.132

■ 71, 5.538, 322.541

■ 73, 16.501,
322.979

Harmonies

Complementary

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



62, 77.727, 136.657



42, 76.939, 325.332

Rectangle

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



62, 77.727, 136.657



62, 77.727, 186.657



62, 77.727, 316.657



62, 77.727, 6.657

Sweetspot

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



62, 77.727, 136.658



85, 32.324, 140.990



65, 59.596, 99.096



44, 22.344, 140.741



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, 77.727, 136.658



78, 105.379, 135.846



62, 59.025, 150.500



36, 6.417, 141.882



54, 80.345, 135.603



6, 13.578, 142.743

Inverse Universe

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



42, 76.939, 325.332



51, 103.060, 325.347



41, 59.031, 347.876



34, 6.436, 322.784



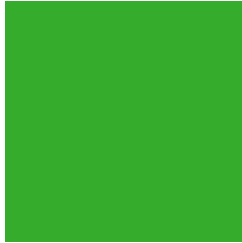
33, 78.319, 325.266



2, 13.377, 321.391

Previews

White Background



This preview shows how the CIELCh color 62, 77.727, 136.657 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, 77.727, 136.657 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, 77.727, 136.657

Background



This preview shows how black text looks on a background with the CIELCh color 62, 77.727, 136.657.



This preview shows how white text looks on a background with the CIELCh color 62, 77.727, 136.657.

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, 77.727, 136.657

Protanopia
61, 57.434, 95.374

Deuteranopia
61, 51.104, 81.109



Tritanopia
62, 23.858, 215.556

Trichromacy



Original Color
62, 77.727, 136.657



Protanomaly
61, 60.870, 116.745



Deuteranomaly
60, 53.063, 111.566



Tritanomaly
61, 38.014, 162.079

Monochromacy



Original Color
62, 77.727, 136.657



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 31.997, 140.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 77.727, 136.657 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(53, 172, 43)` looks like.

```
.text, #text, p{  
    color:rgb(53, 172, 43)  
}
```

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(53, 172, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 172, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 77.727, 136.657 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(53, 172, 43) }
```

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

```
.border{ border-color:rgb(53, 172, 43) }
```

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

Here you see how a box with a 4 pixel rgb(53, 172, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 172, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 172, 43);  
box-shadow:4px 4px 4px 4px rgb(53, 172,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 77.727, 136.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 172, 43) }
```

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

```
.background{ background-color: rgb(53, 172,  
43) }
```

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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