

Converting Colors

CIELCh(62, 64.670, 145.817)

Have a look what the booklet for
CIELCh(62, 64.670, 145.817)
contains.

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Color

CIELCh(62, 64.336, 145.973)

Conversions

Conversions Part 1

Format	Color
Hex	2CAB52
RGB	44, 171, 82
RGB Percent	17%, 67%, 32%
CMY	0.8257, 0.3282, 0.6773
CMYK	0.74, 0.00, 0.52, 0.33
HSL	138°, 59%, 42%
HSV	138°, 74%, 67%
XYZ	17.2134, 30.4025, 12.9997
YIQ	122.8810, -47.1230, -54.6030

Conversions

Conversions Part 2

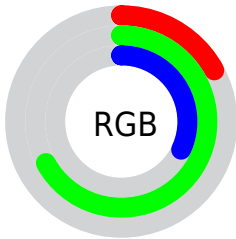
Format	Color
RYB	44, 142, 171
Decimal	2927442
CIELab	62.00, -53.32, 36.00
CIELCh	62, 64.336, 145.973
Yxy	30.4025, 0.2840, 0.5016
Android (android.graphics.Color)	4281117522 (0xFF2CAB52)
YUV	122.8810, -20.1543, -69.1786
Hunter-Lab	55.1385, -40.7674, 24.6185

Details

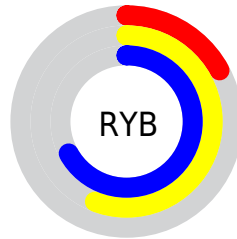
The CIELCh color **62, 64.336, 145.973** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **42, 62.551, 340.589**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 64.104, 145.879**, and **43, 59.209, 141.461** is the 20% darker color. If you saturate the color by 10%, you get **62, 70.595, 144.183**, and if you desaturate by 10%, it is **63, 57.171, 147.601**.

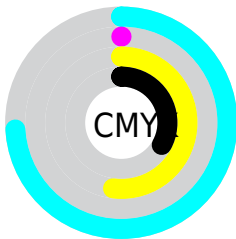
Distribution



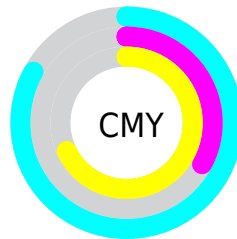
- Red (17%)
- Green (67%)
- Blue (32%)



- Red (17%)
- Yellow (56%)
- Blue (67%)



- Cyan (74%)
- Magenta (0%)
- Yellow (52%)
- Black (33%)





- Cyan (83%)
- Magenta (33%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 64.336, 145.973 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, 64.336, 145.973 by changing the saturation by 10% instead.


 62, 64.336,
145.973


 62, 64.336,
145.973


 100, 64.336,
145.973


 52, 64.336,
145.973


 82, 64.336,
145.973

 42, 64.336,
145.973

 92, 64.336,
145.973

 32, 64.336,
145.973

 22, 64.336,
145.973

 12, 64.336,
145.973

 2, 64.336, 145.973

 0, 64.336, 145.973

■ 62, 64.336,
145.973

■ 62, 64.336,
145.973

■ 62, 70.595,
144.183

■ 63, 57.171,
147.601

■ 61, 75.858,
142.281

■ 63, 49.233,
149.049

■ 61, 78.596,
141.209

■ 64, 40.687,
150.319

■ 65, 31.709,
151.426

■ 66, 22.467,
152.390

■ 68, 13.109,
153.236

■ 69, 3.760, 154.025

■ 71, 5.485, 334.532

■ 73, 14.556,
335.136

Harmonies

Complementary

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



62, 64.336, 145.973



42, 62.551, 340.589

Rectangle

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



62, 64.336, 145.973



62, 64.336, 195.973



62, 64.336, 325.973



62, 64.336, 15.973

Sweetspot

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



62, 64.336, 145.973



84, 25.356, 152.539



65, 64.838, 117.676



45, 17.172, 152.304



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, 64.336, 145.973



78, 89.907, 142.953



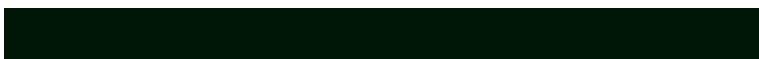
63, 40.687, 173.753



36, 5.321, 153.607



54, 71.066, 141.434



6, 11.677, 152.091

Inverse Universe

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



42, 62.551, 340.589



50, 82.229, 342.967



40, 54.590, 15.705



34, 5.348, 334.805



33, 62.531, 344.409



2, 10.513, 338.081

Previews

White Background



This preview shows how the CIELCh color 62, 64.336, 145.973 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, 64.336, 145.973 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, 64.336, 145.973

Background



This preview shows how black text looks on a background with the CIELCh color 62, 64.336, 145.973.



This preview shows how white text looks on a background with the CIELCh color 62, 64.336, 145.973.

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, 64.336, 145.973

Protanopia
62, 40.849, 96.071

Deuteranopia
61, 33.957, 76.733



Tritanopia
62, 25.804, 214.002

Trichromacy



Original Color
62, 64.336, 145.973



Protanomaly
61, 45.362, 125.180



Deuteranomaly
60, 37.328, 120.743



Tritanomaly
62, 35.000, 173.658

Monochromacy



Original Color
62, 64.336, 145.973



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 26.498, 151.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 64.336, 145.973 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(44, 171, 82)` looks like.

```
.text, #text, p{  
    color:rgb(44, 171, 82)  
}
```

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(44, 171, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 171, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 64.336, 145.973 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(44, 171, 82) }
```

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

```
.border{ border-color:rgb(44, 171, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 171, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 171, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 171, 82);  
box-shadow:4px 4px 4px 4px rgb(44, 171,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 64.336, 145.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 171, 82) }
```

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

```
.background{ background-color: rgb(44, 171,  
82) }
```

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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