

Converting Colors

CIELCh(62, 64.376, 149.156)

Have a look what the booklet for
CIELCh(62, 64.376, 149.156)
contains.

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Color

CIELCh(62, 64.376, 149.156)

Conversions

Conversions Part 1

Format	Color
Hex	16AC58
RGB	22, 172, 88
RGB Percent	9%, 67%, 35%
CMY	0.9132, 0.3253, 0.6547
CMYK	0.87, 0.00, 0.49, 0.33
HSL	146°, 77%, 38%
HSV	146°, 87%, 67%
XYZ	16.8597, 30.4025, 14.2224
YIQ	117.5740, -62.4360, -57.9240

Conversions

Conversions Part 2

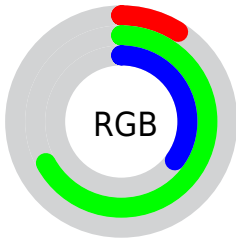
Format	Color
RYB	22, 126, 172
Decimal	1485912
CIELab	62.00, -55.27, 33.01
CIELCh	62, 64.376, 149.156
Yxy	30.4025, 0.2742, 0.4945
Android (android.graphics.Color)	4279675992 (0xFF16AC58)
YUV	117.5740, -14.5800, -83.8184
Hunter-Lab	55.1385, -41.9124, 23.3037

Details

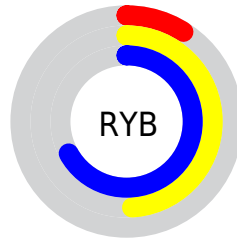
The CIELCh color **62, 64.376, 149.156** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **39, 62.454, 352.281**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 64.695, 149.008**, and **43, 57.141, 143.296** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.941, 147.023**, and if you desaturate by 10%, it is **62, 59.070, 151.140**.

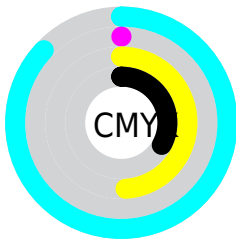
Distribution



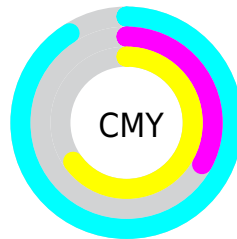
- Red (9%)
- Green (67%)
- Blue (35%)



- Red (9%)
- Yellow (49%)
- Blue (67%)



- Cyan (87%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)





- Cyan (91%)
- Magenta (33%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 64.376, 149.156 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, 64.376, 149.156 by changing the saturation by 10% instead.


 62, 64.376,
149.156


 62, 64.376,
149.156


 100, 64.376,
149.156


 52, 64.376,
149.156


 82, 64.376,
149.156

 42, 64.376,
149.156

 92, 64.376,
149.156

 32, 64.376,
149.156

 22, 64.376,
149.156

 12, 64.376,
149.156

 2, 64.376, 149.156

 0, 64.376, 149.156

■ 62, 64.376,
149.156

■ 62, 64.376,
149.156

■ 62, 68.941,
147.023

■ 62, 59.070,
151.140

■ 62, 70.180,
146.440

■ 63, 52.993,
152.924

■ 64, 46.205,
154.505

■ 64, 38.817,
155.898

■ 65, 30.965,
157.122

■ 67, 22.790,
158.202

■ 68, 14.429,
159.162

■ 69, 5.998, 160.043

Harmonies

Complementary

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



62, 64.376, 149.156



39, 62.454, 352.281

Rectangle

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



62, 64.376, 149.156



62, 64.376, 199.156



62, 64.376, 329.156



62, 64.376, 19.156

Sweetspot

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



62, 64.376, 149.156



85, 27.110, 158.269



64, 74.919, 124.408



44, 18.322, 157.926



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, 64.376, 149.156



79, 86.377, 146.005



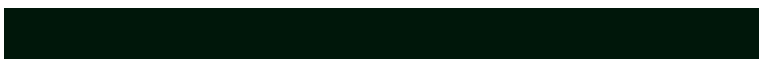
64, 38.209, 187.778



36, 4.792, 159.854



54, 63.222, 146.705



6, 10.739, 156.762

Inverse Universe

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



39, 62.454, 352.281



49, 77.976, 356.901



37, 67.470, 32.291



34, 4.838, 341.216



32, 58.186, 355.772



2, 9.480, 345.554

Previews

White Background



This preview shows how the CIELCh color 62, 64.376, 149.156 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 CIE LCh color 62, 64.376, 149.156 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, 64.376, 149.156

Background



This preview shows how black text looks on a background with the CIELCh color 62, 64.376, 149.156.



This preview shows how white text looks on a background with the CIELCh color 62, 64.376, 149.156.

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, 64.376, 149.156

Protanopia

62, 38.347, 95.793

Deuteranopia

61, 30.819, 75.014



Tritanopia
62, 27.974, 213.740

Trichromacy



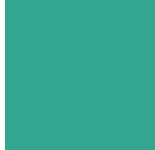
Original Color
62, 64.376, 149.156



Protanomaly
60, 44.487, 130.584



Deuteranomaly
60, 35.564, 127.865



Tritanomaly
62, 37.169, 176.711

Monochromacy



Original Color
62, 64.376, 149.156



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 27.772, 156.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 64.376, 149.156 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(22, 172, 88)` looks like.

```
.text, #text, p{  
    color:rgb(22, 172, 88)  
}
```

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(22, 172, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 172, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 64.376, 149.156 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(22, 172, 88) }
```

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

```
.border{ border-color:rgb(22, 172, 88) }
```

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

Here you see how a box with a 4 pixel rgb(22, 172, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 172, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 172, 88);  
box-shadow:4px 4px 4px 4px rgb(22, 172,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 64.376, 149.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 172, 88) }
```

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

```
.background{ background-color: rgb(22, 172,  
88) }
```

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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