

Converting Colors

CIELCh(62, 80.907, 140.278)

Have a look what the booklet for
CIELCh(62, 80.907, 140.278)
contains.

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Color

CIELCh(62, 80.976, 140.286)

Conversions

Conversions Part 1

Format	Color
Hex	02AE2F
RGB	2, 174, 47
RGB Percent	1%, 68%, 18%
CMY	0.9919, 0.3185, 0.8166
CMYK	0.99, 0.00, 0.73, 0.32
HSL	136°, 98%, 34%
HSV	136°, 99%, 68%
XYZ	15.6273, 30.4025, 7.7101
YIQ	108.0940, -61.7450, -75.9610

Conversions

Conversions Part 2

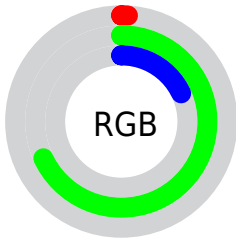
Format	Color
RYB	2, 138, 174
Decimal	175663
CIELab	62.00, -62.29, 51.74
CIELCh	62, 80.976, 140.286
Yxy	30.4025, 0.2908, 0.5657
Android (android.graphics.Color)	4278365743 (0xFF02AE2F)
YUV	108.0940, -30.1193, -93.0444
Hunter-Lab	55.1385, -45.9021, 30.3064

Details

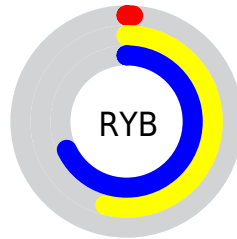
The CIELCh color **62, 80.976, 140.286** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 71.041, 341.809**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **82, 80.958, 140.393**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **62, 81.501, 140.100**, and if you desaturate by 10%, it is **62, 76.127, 142.056**.

Distribution



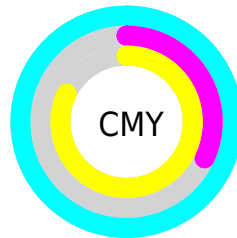
- Red (1%)
- Green (68%)
- Blue (18%)



- Red (1%)
- Yellow (54%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (73%)
- Black (32%)




- Cyan (99%)
- Magenta (32%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 80.976, 140.286 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, 80.976, 140.286 by changing the saturation by 10% instead.

 62, 80.976,
140.286


 62, 80.976,
140.286


 100, 80.976,
140.286

 52, 80.976,
140.286


 82, 80.976,
140.286

 42, 80.976,
140.286

 92, 80.976,
140.286

 32, 80.976,
140.286

 22, 80.976,
140.286

 12, 80.976,
140.286

 2, 80.976, 140.286

 0, 80.976, 140.286

■ 62, 80.976,
140.286

■ 62, 80.976,
140.286

■ 62, 81.501,
140.100

■ 62, 76.127,
142.056

■ 63, 70.194,
143.839

■ 63, 63.209,
145.504

■ 64, 55.315,
147.009

■ 65, 46.687,
148.342

■ 66, 37.516,
149.507

■ 67, 27.990,
150.519

■ 68, 18.279,

151.400

■ 70, 8.527, 152.178

Harmonies

Complementary

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



62, 80.976, 140.286



39, 71.041, 341.809

Rectangle

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



62, 80.976, 140.286



62, 80.976, 190.286



62, 80.976, 320.286



62, 80.976, 10.286

Sweetspot

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



62, 80.976, 140.287



85, 36.194, 150.354



66, 75.234, 117.230



45, 24.847, 149.943



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



62, 80.976, 140.287



79, 100.300, 139.753



63, 49.384, 166.403



36, 5.471, 152.141



54, 72.901, 140.332



6, 11.940, 150.968

Inverse Universe

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



39, 71.041, 341.809



51, 86.571, 342.302



36, 66.906, 24.604



34, 5.494, 333.301



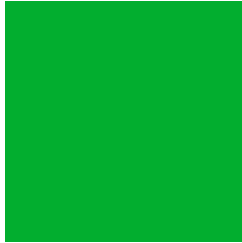
33, 64.112, 341.782



2, 10.848, 336.159

Previews

White Background



This preview shows how the CIELCh color 62, 80.976, 140.286 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, 80.976, 140.286 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, 80.976, 140.286

Background



This preview shows how black text looks on a background with the CIELCh color 62, 80.976, 140.286.

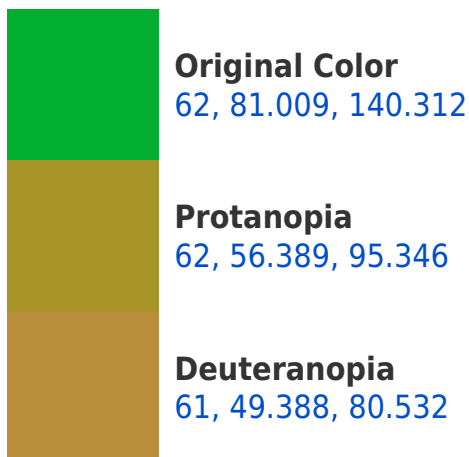


This preview shows how white text looks on a background with the CIELCh color 62, 80.976, 140.286.

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, 27.394, 212.884

Trichromacy



Original Color
62, 81.009, 140.312



Protanomaly
60, 62.866, 124.125



Deuteranomaly
59, 53.786, 120.932



Tritanomaly
61, 43.178, 166.132

Monochromacy



Original Color
62, 81.009, 140.312



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 36.303, 148.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 80.976, 140.286 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(2, 174, 47)` looks like.

```
.text, #text, p{  
    color:rgb(2, 174, 47)  
}
```

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(2, 174, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 174, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 80.976, 140.286 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(2, 174, 47) }
```

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

```
.border{ border-color:rgb(2, 174, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 174, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 174, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 174, 47);  
box-shadow:4px 4px 4px 4px rgb(2, 174, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 62, 80.976, 140.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 174, 47) }
```

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

```
.background{ background-color: rgb(2, 174,  
47) }
```

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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