

Converting Colors

CIELCh(64, 62.430, 82.527)

Have a look what the booklet for
CIELCh(64, 62.430, 82.527) contains.

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Color

CIELCh(64, 62.339, 82.092)

Conversions

Conversions Part 1

Format	Color
Hex	C49321
RGB	196, 147, 33
RGB Percent	77%, 58%, 13%
CMY	0.2305, 0.4228, 0.8697
CMYK	0.00, 0.25, 0.83, 0.23
HSL	42°, 71%, 45%
HSV	42°, 83%, 77%
XYZ	33.5617, 32.8017, 6.0183
YIQ	148.6550, 65.7980, -25.0660

Conversions

Conversions Part 2

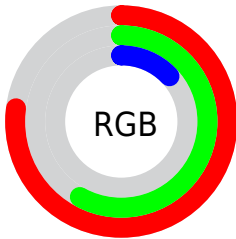
Format	Color
RYB	103, 196, 33
Decimal	12882721
CIELab	64.00, 8.58, 61.75
CIElCh	64, 62.339, 82.092
Yxy	32.8017, 0.4637, 0.4532
Android (android.graphics.Color)	4291072801 (0xFFC49321)
YUV	148.6550, -57.0179, 41.5216
Hunter-Lab	57.2727, 4.3733, 33.8606

Details

The CIELCh color **64, 62.339, 82.092** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **39, 69.306, 292.747**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 62.072, 82.828**, and **44, 52.342, 80.188** is the 20% darker color. If you saturate the color by 10%, you get **62, 66.277, 80.122**, and if you desaturate by 10%, it is **66, 56.469, 83.777**.

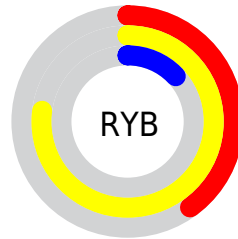
Distribution



Red (77%)

Green (58%)

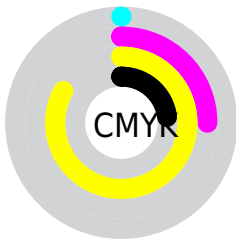
Blue (13%)



Red (40%)

Yellow (77%)

Blue (13%)

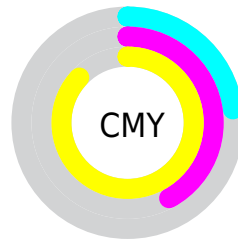


Cyan (0%)

Magenta (25%)

Yellow (83%)

Black (23%)



Cyan (23%)

Magenta (42%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 62.339, 82.092 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 64, 62.339, 82.092 by changing the saturation by 10% instead.

 64, 62.339, 82.092

 64, 62.339, 82.092

 100, 62.339,
82.092

 54, 62.339, 82.092

 84, 62.339, 82.092

 44, 62.339, 82.092

 94, 62.339, 82.092

 34, 62.339, 82.092

 24, 62.339, 82.092

 14, 62.339, 82.092

 4, 62.339, 82.092

 0, 62.339, 82.092

 64, 62.339, 82.092

 64, 62.339, 82.092

 62, 66.277, 80.122

 66, 56.469, 83.777

61, 67.987, 78.592

67, 49.410, 85.300

69, 41.733, 86.736

71, 33.798, 88.119

73, 25.806, 89.463

75, 17.866, 90.767

77, 10.030, 92.026

79, 2.324, 93.181

81, 5.248, 274.495

Harmonies

Complementary

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



64, 62.339, 82.092



39, 69.306, 292.747

Rectangle

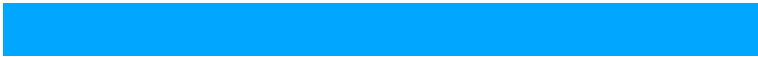
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 62.339, 82.092



64, 62.339, 132.092



64, 62.339, 262.092



64, 62.339, 312.092

Sweetspot

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



64, 62.338, 82.095



94, 24.004, 90.467



44, 65.047, 11.396



49, 16.422, 90.003



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 62.338, 82.095



78, 82.753, 78.149



75, 75.999, 113.024



40, 4.294, 92.477



51, 58.661, 79.004



9, 12.915, 82.603

Inverse Universe

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



39, 69.306, 292.747



42, 104.908, 298.985



30, 97.081, 306.309



38, 4.308, 274.862



26, 71.993, 297.946



3, 15.486, 281.280

Previews

White Background



This preview shows how the CIELCh color 64, 62.339, 82.092 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 64, 62.339, 82.092 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 64, 62.339, 82.092

Background



This preview shows how black text looks on a background with the CIELCh color 64, 62.339, 82.092.



This preview shows how white text looks on a background with the CIELCh color 64, 62.339, 82.092.

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


64, 62.339, 82.092

Protanopia

64, 60.773, 95.306

Deuteranopia

64, 62.339, 82.092



Tritanopia
64, 27.098, 9.479

Trichromacy



Original Color
64, 62.339, 82.092

Protanomaly
64, 61.088, 90.428

Deuteranomaly
64, 62.339, 82.092

Tritanomaly
64, 33.452, 56.048

Monochromacy



Original Color
64, 62.339, 82.092

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 24.154, 88.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 62.339, 82.092 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(196, 147, 33)` looks like.

```
.text, #text, p{  
    color:rgb(196, 147, 33)  
}
```

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(196, 147, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 147, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 62.339, 82.092 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(196, 147, 33) }
```

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

```
.border{ border-color:rgb(196, 147, 33) }
```

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

Here you see how a box with a 4 pixel rgb(196, 147, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 147, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 147, 33);  
box-shadow:4px 4px 4px 4px rgb(196, 147,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 62.339, 82.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 147, 33) }
```

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

```
.background{ background-color: rgb(196,  
147, 33) }
```

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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