

Converting Colors

CIELCh(64, 60.980, 86.345)

Have a look what the booklet for
CIELCh(64, 60.980, 86.345) contains.

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Color

CIELCh(64, 60.980, 86.345)

Conversions

Conversions Part 1

Format	Color
Hex	BD9623
RGB	189, 150, 35
RGB Percent	74%, 59%, 14%
CMY	0.2584, 0.4113, 0.8622
CMYK	0.00, 0.21, 0.81, 0.26
HSL	45°, 69%, 44%
HSV	45°, 81%, 74%
XYZ	32.2434, 32.8017, 6.2318
YIQ	148.5510, 60.1590, -27.4970

Conversions

Conversions Part 2

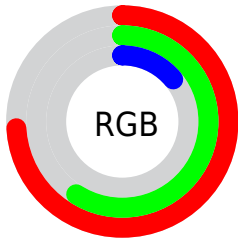
Format	Color
RYB	87, 189, 35
Decimal	12424739
CIELab	64.00, 3.89, 60.86
CIELCh	64, 60.980, 86.345
Yxy	32.8017, 0.4524, 0.4602
Android (android.graphics.Color)	4290614819 (0xFFBD9623)
YUV	148.5510, -55.9806, 35.4738
Hunter-Lab	57.2727, 0.2644, 33.6397

Details

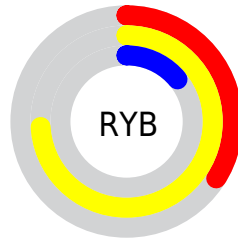
The CIELCh color **64, 60.980, 86.345** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **36, 70.583, 294.775**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 60.846, 86.384**, and **44, 51.489, 85.225** is the 20% darker color. If you saturate the color by 10%, you get **63, 64.935, 84.672**, and if you desaturate by 10%, it is **65, 55.195, 87.844**.

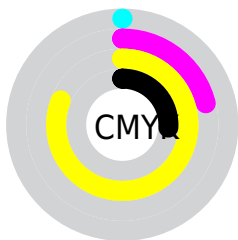
Distribution



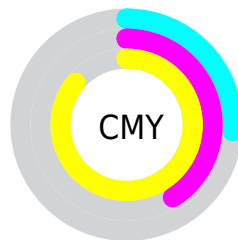
- Red (74%)
- Green (59%)
- Blue (14%)



- Red (34%)
- Yellow (74%)
- Blue (14%)



- Cyan (0%)
- Magenta (21%)
- Yellow (81%)
- Black (26%)



- Cyan (26%)
- Magenta (41%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 60.980, 86.345 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, 60.980, 86.345 by changing the saturation by 10% instead.

 64, 60.980, 86.345

 64, 60.980, 86.345

 100, 60.980,
86.345

 54, 60.980, 86.345

 84, 60.980, 86.345

 44, 60.980, 86.345

 94, 60.980, 86.345

 34, 60.980, 86.345

 24, 60.980, 86.345

 14, 60.980, 86.345

 4, 60.980, 86.345

 0, 60.980, 86.345

 64, 60.980, 86.345

 64, 60.980, 86.345

 63, 64.935, 84.672

 65, 55.195, 87.844

62, 66.885, 83.074

67, 48.253, 89.244

68, 40.675, 90.593

70, 32.797, 91.906

71, 24.814, 93.190

73, 16.837, 94.440

75, 8.921, 95.648

76, 1.097, 96.680

78, 6.623, 278.005

Harmonies

Complementary

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



64, 60.980, 86.345



36, 70.583, 294.775

Rectangle

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



64, 60.980, 86.345



64, 60.980, 136.345



64, 60.980, 266.345



64, 60.980, 316.345

Sweetspot

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



64, 60.979, 86.348



91, 23.297, 94.074



42, 62.910, 14.829



48, 16.026, 93.628



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



64, 60.979, 86.348



78, 80.723, 83.105



72, 73.736, 115.454



39, 4.411, 95.891



52, 58.644, 83.384



8, 12.079, 88.314

Inverse Universe

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



36, 70.583, 294.775



39, 106.163, 300.450



30, 92.224, 306.926



37, 4.443, 278.185



24, 75.952, 300.101



2, 14.356, 282.231

Previews

White Background



This preview shows how the CIELCh color 64, 60.980, 86.345 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, 60.980, 86.345 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, 60.980, 86.345

Background



This preview shows how black text looks on a background with the CIELCh color 64, 60.980, 86.345.



This preview shows how white text looks on a background with the CIELCh color 64, 60.980, 86.345.

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, 60.980, 86.345

Protanopia

64, 60.139, 95.292

Deuteranopia

64, 60.902, 82.206



Tritanopia
64, 23.447, 6.949

Trichromacy



Original Color
64, 60.980, 86.345

Protanomaly
64, 60.369, 92.156

Deuteranomaly
64, 60.997, 83.607

Tritanomaly
64, 29.732, 60.851

Monochromacy



Original Color
64, 60.980, 86.345

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 23.717, 91.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 60.980, 86.345 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(189, 150, 35)` looks like.

```
.text, #text, p{  
    color:rgb(189, 150, 35)  
}
```

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(189, 150, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 150, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 60.980, 86.345 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(189, 150, 35) }
```

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

```
.border{ border-color:rgb(189, 150, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 150, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 150, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 150, 35);  
box-shadow:4px 4px 4px 4px rgb(189, 150,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 60.980, 86.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 150, 35) }
```

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

```
.background{ background-color: rgb(189,  
150, 35) }
```

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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