

Converting Colors

CIELCh(73, 62.401, 93.327)

Have a look what the booklet for
CIELCh(73, 62.401, 93.327) contains.

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Color

CIELCh(73, 62.401, 93.327)

Conversions

Conversions Part 1

Format	Color
Hex	CCB238
RGB	204, 178, 56
RGB Percent	80%, 70%, 22%
CMY	0.1985, 0.3005, 0.7789
CMYK	0.00, 0.13, 0.72, 0.20
HSL	49°, 59%, 51%
HSV	49°, 72%, 80%
XYZ	41.7231, 45.1644, 10.3080
YIQ	171.8660, 54.6580, -32.4300

Conversions

Conversions Part 2

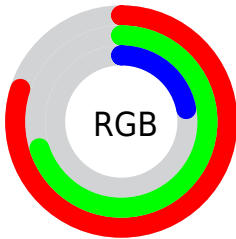
Format	Color
R _Y B	88, 204, 56
Decimal	13414968
CIE Lab	73.00, -3.62, 62.30
CIE LCh	73, 62.401, 93.327
Yxy	45.1644, 0.4293, 0.4647
Android (android.graphics.Color)	4291605048 (0xFFCCB238)
YUV	171.8660, -57.1219, 28.1815
Hunter-Lab	67.2044, -6.7881, 37.9490

Details

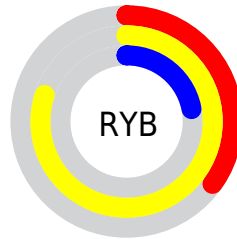
The CIELCh color **73, 62.401, 93.327** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **40, 73.434, 295.931**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 61.336, 96.618**, and **53, 58.354, 93.331** is the 20% darker color. If you saturate the color by 10%, you get **72, 68.142, 92.115**, and if you desaturate by 10%, it is **74, 55.148, 94.529**.

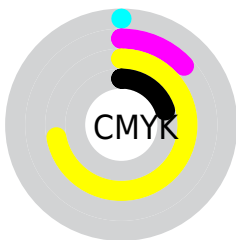
Distribution



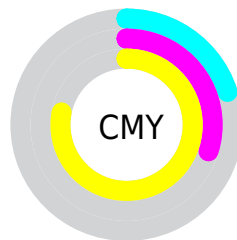
- Red (80%)
- Green (70%)
- Blue (22%)



- Red (35%)
- Yellow (80%)
- Blue (22%)



- Cyan (0%)
- Magenta (13%)
- Yellow (72%)
- Black (20%)



- Cyan (20%)
- Magenta (30%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 62.401, 93.327 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 73, 62.401, 93.327 by changing the saturation by 10% instead.

■ 73, 62.401, 93.327

■ 73, 62.401, 93.327

■ 100, 62.401,
93.327

■ 63, 62.401, 93.327

■ 93, 62.401, 93.327

■ 53, 62.401, 93.327

■ 43, 62.401, 93.327

■ 33, 62.401, 93.327

■ 23, 62.401, 93.327

■ 13, 62.401, 93.327

■ 3, 62.401, 93.327

■ 0, 62.401, 93.327

■ 73, 62.401, 93.327

■ 73, 62.401, 93.327

72, 68.142, 92.115

74, 55.148, 94.529

71, 71.727, 90.848

75, 46.968, 95.727

70, 73.121, 89.839

76, 38.273, 96.924

78, 29.320, 98.112

79, 20.265, 99.282

80, 11.197,
100.424

82, 2.164, 101.485

83, 6.804, 282.651

85, 15.695,
283.674

Harmonies

Complementary

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



73, 62.401, 93.327



40, 73.434, 295.931

Rectangle

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



73, 62.401, 93.327



73, 62.401, 143.327



73, 62.401, 273.327



73, 62.401, 323.327

Sweetspot

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



73, 62.401, 93.330



96, 23.800, 99.297



47, 62.219, 18.064



51, 15.998, 98.978



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 62.401, 93.330



87, 83.275, 91.402



77, 73.968, 119.141



42, 5.101, 100.760



58, 62.658, 90.059



12, 17.995, 93.986

Inverse Universe

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



40, 73.434, 295.931



42, 107.260, 300.430



38, 87.763, 307.943



40, 5.168, 282.931



22, 86.343, 302.989



3, 20.681, 287.710

Previews

White Background



This preview shows how the CIELCh color 73, 62.401, 93.327 looks on a white background.

Color Contrast Check

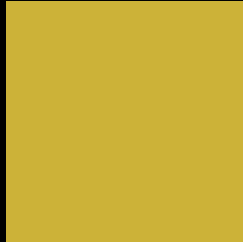
Large Text (above 18pt) WCAG AA × Fail

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 73, 62.401, 93.327 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 73, 62.401, 93.327

Background



This preview shows how black text looks on a background with the CIELCh color 73, 62.401, 93.327.



This preview shows how white text looks on a background with the CIELCh color 73, 62.401, 93.327.

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

73, 62.401, 93.327

Protanopia

73, 62.357, 95.446

Deuteranopia

73, 62.486, 81.361



Tritanopia
73, 19.254, 359.878

Trichromacy



Original Color
73, 62.401, 93.327

Protanomaly
73, 62.136, 94.582

Deuteranomaly
73, 62.127, 85.628

Tritanomaly
73, 25.915, 68.199

Monochromacy



Original Color
73, 62.401, 93.327

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 24.155, 97.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 62.401, 93.327 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(204, 178, 56)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 56)  
}
```

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(204, 178, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 62.401, 93.327 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(204, 178, 56) }
```

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

```
.border{ border-color:rgb(204, 178, 56) }
```

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

Here you see how a box with a 4 pixel rgb(204, 178, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 56);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 62.401, 93.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 56) }
```

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

```
.background{ background-color: rgb(204,  
178, 56) }
```

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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