

Converting Colors

CIELCh(60, 75.372, 62.589)

Have a look what the booklet for
CIELCh(60, 75.372, 62.589) contains.

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Color

CIELCh(60, 75.516, 62.465)

Conversions

Conversions Part 1

Format	Color
Hex	DD7502
RGB	221, 117, 2
RGB Percent	87%, 46%, 1%
CMY	0.1331, 0.5409, 0.9917
CMYK	0.00, 0.47, 0.99, 0.13
HSL	31°, 98%, 44%
HSV	31°, 99%, 87%
XYZ	36.2193, 28.1233, 3.5800
YIQ	134.9860, 98.8990, -13.7170

Conversions

Conversions Part 2

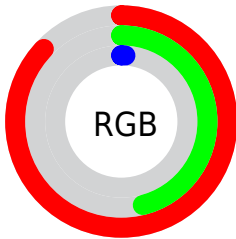
Format	Color
RYB	200, 221, 2
Decimal	14513410
CIELab	60.00, 34.91, 66.96
CIELCh	60, 75.516, 62.465
Yxy	28.1233, 0.5332, 0.4140
Android (android.graphics.Color)	4292703490 (0xFFDD7502)
YUV	134.9860, -65.5621, 75.4343
Hunter-Lab	53.0314, 29.1065, 33.1195

Details

The CIELCh color **60, 75.516, 62.465** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **46, 68.262, 286.579**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.381, 69.848**, and **40, 61.950, 55.053** is the 20% darker color. If you saturate the color by 10%, you get **60, 75.950, 62.215**, and if you desaturate by 10%, it is **62, 70.758, 65.184**.

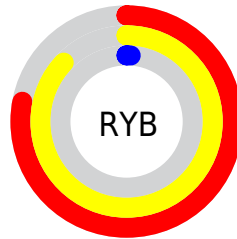
Distribution



Red (87%)

Green (46%)

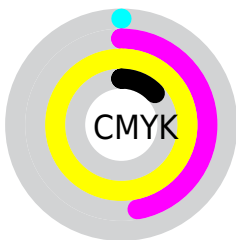
Blue (1%)



Red (78%)

Yellow (87%)

Blue (1%)

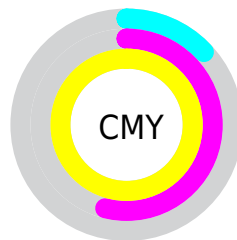


Cyan (0%)

Magenta (47%)

Yellow (99%)

Black (13%)



Cyan (13%)

Magenta (54%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 75.516, 62.465 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 60, 75.516, 62.465 by changing the saturation by 10% instead.

60, 75.516, 62.465

60, 75.516, 62.465

100, 75.516,
62.465

50, 75.516, 62.465

80, 75.516, 62.465

40, 75.516, 62.465

90, 75.516, 62.465

30, 75.516, 62.465

20, 75.516, 62.465

10, 75.516, 62.465

0, 75.516, 62.465

60, 75.516, 62.465

60, 75.516, 62.465

60, 75.950, 62.215

62, 70.758, 65.184

65, 63.907, 67.252

67, 55.753, 68.902

70, 47.116, 70.357

73, 38.457, 71.727

76, 30.001, 73.060

79, 21.844, 74.370

82, 14.016, 75.655

85, 6.513, 76.896

Harmonies

Complementary

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



60, 75.516, 62.465



46, 68.262, 286.579

Rectangle

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



60, 75.516, 62.465



60, 75.516, 112.465



60, 75.516, 242.465



60, 75.516, 292.465

Sweetspot

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



60, 75.514, 62.467



89, 25.402, 74.214



48, 75.741, 3.764



46, 17.489, 73.659



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 75.514, 62.467



68, 84.721, 61.890



85, 86.847, 103.903



44, 4.066, 76.850



48, 63.181, 62.876



11, 18.383, 62.695

Inverse Universe

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



46, 68.262, 286.579



53, 77.448, 287.351



28, 119.609, 306.257



44, 3.992, 259.379



36, 56.566, 286.208



7, 18.826, 276.161

Previews

White Background



This preview shows how the CIELCh color 60, 75.516, 62.465 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 75.516, 62.465 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 75.516, 62.465

Background



This preview shows how black text looks on a background with the CIELCh color 60, 75.516, 62.465.



This preview shows how white text looks on a background with the CIELCh color 60, 75.516, 62.465.

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

60, 75.516, 62.465

Protanopia

60, 61.413, 95.310

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 49.069, 21.154

Trichromacy



Original Color
60, 75.516, 62.465

Protanomaly
60, 63.476, 81.125

Deuteranomaly
60, 67.784, 74.818

Tritanomaly
60, 57.396, 44.663

Monochromacy



Original Color
60, 75.516, 62.465

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 29.356, 71.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 75.516, 62.465 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(221, 117, 2)` looks like.

```
.text, #text, p{  
    color:rgb(221, 117, 2)  
}
```

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(221, 117, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 117, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 75.516, 62.465 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(221, 117, 2) }
```

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

```
.border{ border-color:rgb(221, 117, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 117, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 117, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 117, 2);  
box-shadow:4px 4px 4px 4px rgb(221, 117,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 75.516, 62.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 117, 2) }
```

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

```
.background{ background-color: rgb(221,  
117, 2) }
```

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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