

Converting Colors

CIELCh(60, 62.971, 54.957)

Have a look what the booklet for
CIELCh(60, 62.971, 54.957) contains.

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Color

CIELCh(60, 63.100, 54.611)

Conversions

Conversions Part 1

Format	Color
Hex	DD7435
RGB	221, 116, 53
RGB Percent	87%, 45%, 21%
CMY	0.1333, 0.5450, 0.7921
CMYK	0.00, 0.48, 0.76, 0.13
HSL	23°, 71%, 54%
HSV	23°, 76%, 87%
XYZ	36.7108, 28.1233, 6.8627
YIQ	140.2130, 82.8030, 2.6670

Conversions

Conversions Part 2

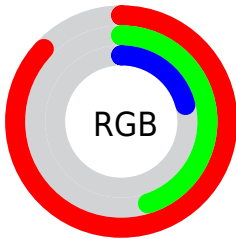
Format	Color
R_{YB}	221, 154, 53
Decimal	14513205
CIE _{Lab}	60.00, 36.54, 51.44
CIE _{LCh}	60, 63.100, 54.611
Yxy	28.1233, 0.5120, 0.3923
Android (android.graphics.Color)	4292703285 (0xFFDD7435)
YUV	140.2130, -42.9960, 70.8502
Hunter-Lab	53.0314, 30.7610, 29.4494

Details

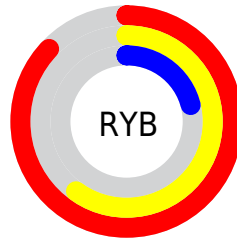
The CIELCh color **60, 63.100, 54.611** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **62, 41.336, 257.907**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 52.998, 61.455**, and **40, 62.738, 53.989** is the 20% darker color. If you saturate the color by 10%, you get **57, 72.079, 53.583**, and if you desaturate by 10%, it is **63, 53.547, 55.369**.

Distribution



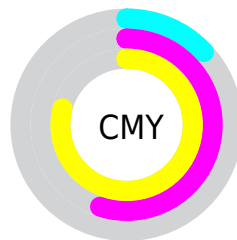
- Red (87%)
- Green (45%)
- Blue (21%)



- Red (87%)
- Yellow (60%)
- Blue (21%)



- Cyan (0%)
- Magenta (48%)
- Yellow (76%)
- Black (13%)



- Cyan (13%)
- Magenta (55%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 63.100, 54.611 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, 63.100, 54.611 by changing the saturation by 10% instead.

60, 63.100, 54.611

60, 63.100, 54.611

100, 63.100,
54.611

50, 63.100, 54.611

80, 63.100, 54.611

40, 63.100, 54.611

90, 63.100, 54.611

30, 63.100, 54.611

20, 63.100, 54.611

10, 63.100, 54.611

0, 63.100, 54.611

60, 63.100, 54.611

60, 63.100, 54.611

57, 72.079, 53.583

63, 53.547, 55.369

54, 79.274, 51.838

67, 44.093, 56.068

54, 81.770, 51.095

70, 35.036, 56.800

74, 26.492, 57.589

78, 18.486, 58.433

82, 11.000, 59.313

86, 3.995, 60.162

90, 2.575, 241.425

94, 8.758, 242.239

Harmonies

Complementary

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



60, 63.100, 54.611



62, 41.336, 257.907

Rectangle

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



60, 63.100, 54.611



60, 63.100, 104.611



60, 63.100, 234.611



60, 63.100, 284.611

Sweetspot

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



60, 63.098, 54.614



90, 18.178, 58.679



52, 74.342, 345.076



46, 12.740, 58.363



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, 63.098, 54.614



64, 85.233, 52.708



80, 70.800, 95.751



44, 3.790, 59.889



42, 67.843, 51.719



9, 18.900, 45.927

Inverse Universe

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



62, 41.336, 257.907



66, 52.939, 265.217



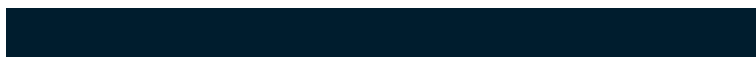
40, 87.111, 298.842



44, 3.638, 241.912



44, 41.841, 268.490



9, 14.946, 257.788

Previews

White Background



This preview shows how the CIELCh color 60, 63.100, 54.611 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, 63.100, 54.611 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, 63.100, 54.611

Background



This preview shows how black text looks on a background with the CIELCh color 60, 63.100, 54.611.



This preview shows how white text looks on a background with the CIELCh color 60, 63.100, 54.611.

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, 63.100, 54.611

Protanopia

60, 45.855, 95.719

Deuteranopia

60, 53.228, 81.556



Tritanopia
60, 48.551, 20.420

Trichromacy



Original Color
60, 63.100, 54.611

Protanomaly
59, 48.239, 76.752

Deuteranomaly
60, 55.166, 70.426

Tritanomaly
60, 51.395, 35.770

Monochromacy



Original Color
60, 63.100, 54.611

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 21.302, 57.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 63.100, 54.611 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, 116, 53)` looks like.

```
.text, #text, p{  
    color:rgb(221, 116, 53)  
}
```

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, 116, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 116, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 63.100, 54.611 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, 116, 53) }
```

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

```
.border{ border-color:rgb(221, 116, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 116, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 116, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 116, 53);  
box-shadow:4px 4px 4px 4px rgb(221, 116,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 63.100, 54.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 116, 53) }
```

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

```
.background{ background-color: rgb(221,  
116, 53) }
```

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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