

Converting Colors

CIELCh(60, 64.949, 63.332)

Have a look what the booklet for
CIELCh(60, 64.949, 63.332) contains.

CIELCh(60, 64.944, 63.332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(60, 64.944, 63.332)

Conversions

Conversions Part 1

Format	Color
Hex	D47A24
RGB	212, 122, 36
RGB Percent	83%, 48%, 14%
CMY	0.1678, 0.5208, 0.8580
CMYK	0.00, 0.42, 0.83, 0.17
HSL	29°, 71%, 49%
HSV	29°, 83%, 83%
XYZ	34.5194, 28.1233, 5.2945
YIQ	139.1060, 81.2460, -7.6660

Conversions

Conversions Part 2

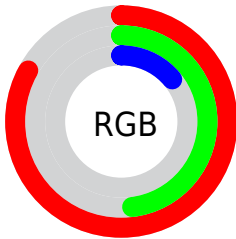
Format	Color
R _Y B	212, 204, 36
Decimal	13924900
CIE Lab	60.00, 29.15, 58.04
CIE LCh	60, 64.944, 63.332
Yxy	28.1233, 0.5081, 0.4140
Android (android.graphics.Color)	4292114980 (0xFFD47A24)
YUV	139.1060, -50.8313, 63.9280
Hunter-Lab	53.0314, 23.3848, 31.2027

Details

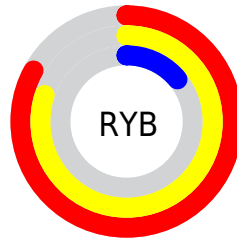
The CIELCh color **60, 64.944, 63.332** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **52, 51.667, 275.622**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 58.774, 68.765**, and **40, 58.028, 59.370** is the 20% darker color. If you saturate the color by 10%, you get **58, 71.296, 61.145**, and if you desaturate by 10%, it is **63, 57.059, 64.973**.

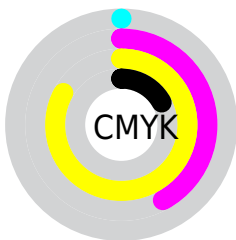
Distribution



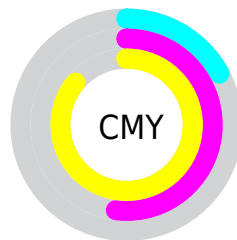
- Red (83%)
- Green (48%)
- Blue (14%)



- Red (83%)
- Yellow (80%)
- Blue (14%)



- Cyan (0%)
- Magenta (42%)
- Yellow (83%)
- Black (17%)



- Cyan (17%)
- Magenta (52%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 64.944, 63.332 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, 64.944, 63.332 by changing the saturation by 10% instead.

 60, 64.944, 63.332

 60, 64.944, 63.332

 100, 64.944,
63.332

 50, 64.944, 63.332

 80, 64.944, 63.332

 40, 64.944, 63.332

 90, 64.944, 63.332

 30, 64.944, 63.332

 20, 64.944, 63.332

 10, 64.944, 63.332

 0, 64.944, 63.332

 60, 64.944, 63.332

 60, 64.944, 63.332

 58, 71.296, 61.145

 63, 57.059, 64.973

 56, 74.728, 59.277

 65, 48.580, 66.357

68, 40.051, 67.639

71, 31.738, 68.888

74, 23.755, 70.126

78, 16.137, 71.354

81, 8.881, 72.561

84, 1.965, 73.614

87, 4.642, 255.083

Harmonies

Complementary

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



60, 64.944, 63.332



52, 51.667, 275.622

Rectangle

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



60, 64.944, 63.332



60, 64.944, 113.332



60, 64.944, 243.332



60, 64.944, 293.332

Sweetspot

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



60, 64.942, 63.335



91, 20.531, 71.070



48, 70.894, 354.825



47, 14.132, 70.634



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, 64.942, 63.335



66, 86.040, 58.846



82, 78.427, 102.341



43, 3.891, 72.971



45, 63.370, 59.892



10, 17.040, 57.883

Inverse Universe

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



52, 51.667, 275.622



55, 71.959, 283.891



31, 103.569, 304.042



43, 3.800, 255.438



38, 51.981, 282.630



7, 16.910, 271.774

Previews

White Background



This preview shows how the CIELCh color 60, 64.944, 63.332 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, 64.944, 63.332 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, 64.944, 63.332

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.944, 63.332.



This preview shows how white text looks on a background with the CIELCh color 60, 64.944, 63.332.

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, 64.944, 63.332

Protanopia

60, 54.089, 95.091

Deuteranopia

60, 59.696, 82.701



Tritanopia
60, 42.894, 18.834

Trichromacy



Original Color
60, 64.944, 63.332

Protanomaly
60, 55.520, 82.115

Deuteranomaly
60, 60.679, 74.828

Tritanomaly
60, 47.604, 41.115

Monochromacy



Original Color
60, 64.944, 63.332

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 23.014, 69.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.944, 63.332 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(212, 122, 36)` looks like.

```
.text, #text, p{  
    color:rgb(212, 122, 36)  
}
```

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(212, 122, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 122, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.944, 63.332 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(212, 122, 36) }
```

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

```
.border{ border-color:rgb(212, 122, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 122, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 122, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 122, 36);  
box-shadow:4px 4px 4px 4px rgb(212, 122,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.944, 63.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 122, 36) }
```

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

```
.background{ background-color: rgb(212,  
122, 36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor