

Converting Colors

CIELCh(69, 68.741, 78.474)

Have a look what the booklet for
CIELCh(69, 68.741, 78.474) contains.

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Color

CIELCh(69, 68.790, 78.533)

Conversions

Conversions Part 1

Format	Color
Hex	DC9D20
RGB	220, 157, 32
RGB Percent	86%, 62%, 13%
CMY	0.1380, 0.3850, 0.8754
CMYK	0.00, 0.29, 0.86, 0.14
HSL	40°, 75%, 49%
HSV	40°, 86%, 86%
XYZ	41.7415, 39.3444, 6.7449
YIQ	161.5870, 77.6730, -25.5190

Conversions

Conversions Part 2

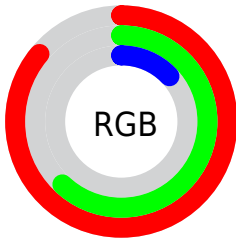
Format	Color
RYB	127, 220, 32
Decimal	14458144
CIELab	69.00, 13.68, 67.42
CIElCh	69, 68.790, 78.533
Yxy	39.3444, 0.4752, 0.4480
Android (android.graphics.Color)	4292648224 (0xFFDC9D20)
YUV	161.5870, -63.8864, 51.2282
Hunter-Lab	62.7251, 9.0169, 37.5321

Details

The CIELCh color **69, 68.790, 78.533** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **44, 74.466, 291.752**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 63.868, 87.607**, and **49, 58.248, 75.594** is the 20% darker color. If you saturate the color by 10%, you get **67, 72.588, 76.249**, and if you desaturate by 10%, it is **71, 62.683, 80.405**.

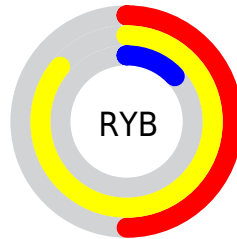
Distribution



Red (86%)

Green (62%)

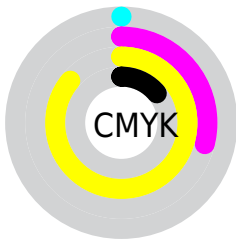
Blue (13%)



Red (50%)

Yellow (86%)

Blue (13%)

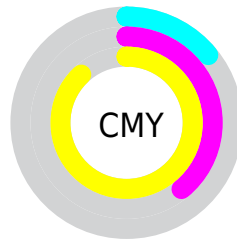


Cyan (0%)

Magenta (29%)

Yellow (86%)

Black (14%)



Cyan (14%)

Magenta (39%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 68.790, 78.533 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 69, 68.790, 78.533 by changing the saturation by 10% instead.

69, 68.790, 78.533

69, 68.790, 78.533

100, 68.790,
78.533

59, 68.790, 78.533

89, 68.790, 78.533

49, 68.790, 78.533

99, 68.790, 78.533

39, 68.790, 78.533

29, 68.790, 78.533

19, 68.790, 78.533

9, 68.790, 78.533

0, 68.790, 78.533

69, 68.790, 78.533

69, 68.790, 78.533

67, 72.588, 76.249

71, 62.683, 80.405

66, 73.758, 75.137

73, 55.129, 82.038

75, 46.837, 83.546

77, 38.255, 84.984

79, 29.629, 86.374

82, 21.089, 87.723

84, 12.695, 89.028

86, 4.471, 90.259

89, 3.577, 271.613

Harmonies

Complementary

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



69, 68.790, 78.533



44, 74.466, 291.752

Rectangle

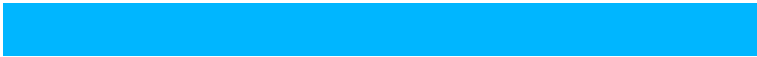
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 68.790, 78.533



69, 68.790, 128.533



69, 68.790, 258.533



69, 68.790, 308.533

Sweetspot

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



69, 68.789, 78.536



93, 24.234, 87.633



48, 72.030, 9.867



49, 16.485, 87.166



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 68.789, 78.536



76, 82.506, 74.870



83, 83.790, 111.363



45, 4.596, 89.795



53, 61.811, 75.642



13, 19.475, 78.429

Inverse Universe

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



44, 74.466, 291.752



44, 99.616, 297.236



32, 109.121, 306.151



43, 4.594, 272.268



30, 72.718, 296.341



5, 22.596, 285.322

Previews

White Background



This preview shows how the CIELCh color 69, 68.790, 78.533 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 69, 68.790, 78.533 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 69, 68.790, 78.533

Background



This preview shows how black text looks on a background with the CIELCh color 69, 68.790, 78.533.



This preview shows how white text looks on a background with the CIELCh color 69, 68.790, 78.533.

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

69, 68.790, 78.533

Protanopia

69, 65.611, 95.111

Deuteranopia

69, 68.197, 82.446



Tritanopia
69, 32.739, 12.373

Trichromacy



Original Color
69, 68.790, 78.533

Protanomaly
69, 66.060, 89.037

Deuteranomaly
69, 68.205, 81.228

Tritanomaly
69, 39.632, 53.471

Monochromacy



Original Color
69, 68.790, 78.533

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 26.678, 85.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 68.790, 78.533 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(220, 157, 32)` looks like.

```
.text, #text, p{  
    color:rgb(220, 157, 32)  
}
```

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(220, 157, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 157, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 68.790, 78.533 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(220, 157, 32) }
```

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

```
.border{ border-color:rgb(220, 157, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 157, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 157, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 157, 32);  
box-shadow:4px 4px 4px 4px rgb(220, 157,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 68.790, 78.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 157, 32) }
```

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

```
.background{ background-color: rgb(220,  
157, 32) }
```

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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