

Converting Colors

CIELCh(71, 71.186, 78.232)

Have a look what the booklet for
CIELCh(71, 71.186, 78.232) contains.

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Color

CIELCh(71, 71.245, 78.307)

Conversions

Conversions Part 1

Format	Color
Hex	E3A21E
RGB	227, 162, 30
RGB Percent	89%, 64%, 12%
CMY	0.1079, 0.3664, 0.8808
CMYK	0.00, 0.29, 0.87, 0.11
HSL	40°, 78%, 51%
HSV	40°, 87%, 89%
XYZ	44.9104, 42.1875, 7.0297
YIQ	166.3870, 81.1120, -27.2720

Conversions

Conversions Part 2

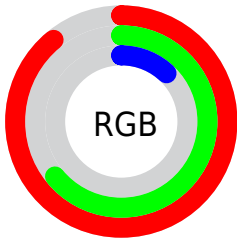
Format	Color
RYB	127, 227, 30
Decimal	14918174
CIELab	71.00, 14.44, 69.77
CIElCh	71, 71.245, 78.307
Yxy	42.1875, 0.4771, 0.4482
Android (android.graphics.Color)	4293108254 (0xFFE3A21E)
YUV	166.3870, -67.2388, 53.1576
Hunter-Lab	64.9519, 9.7564, 39.0494

Details

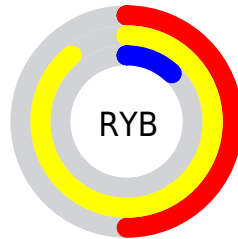
The CIELCh color **71, 71.245, 78.307** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **45, 77.725, 292.250**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 65.409, 90.342**, and **51, 59.869, 76.080** is the 20% darker color. If you saturate the color by 10%, you get **69, 74.811, 75.956**, and if you desaturate by 10%, it is **73, 65.222, 80.223**.

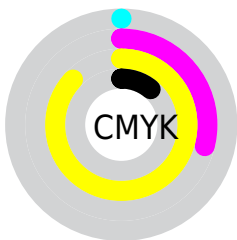
Distribution



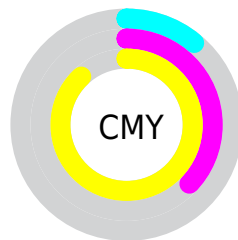
- Red (89%)
- Green (64%)
- Blue (12%)



- Red (50%)
- Yellow (89%)
- Blue (12%)



- Cyan (0%)
- Magenta (29%)
- Yellow (87%)
- Black (11%)



- Cyan (11%)
- Magenta (37%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 71.245, 78.307 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 71, 71.245, 78.307 by changing the saturation by 10% instead.

71, 71.245, 78.307

71, 71.245, 78.307

100, 71.245,
78.307

61, 71.245, 78.307

91, 71.245, 78.307

51, 71.245, 78.307

41, 71.245, 78.307

31, 71.245, 78.307

21, 71.245, 78.307

11, 71.245, 78.307

1, 71.245, 78.307

0, 71.245, 78.307

71, 71.245, 78.307

71, 71.245, 78.307

69, 74.811, 75.956

73, 65.222, 80.223

69, 75.688, 75.113

75, 57.597, 81.881

77, 49.135, 83.403

79, 40.329, 84.851

82, 31.455, 86.249

84, 22.656, 87.605

86, 14.003, 88.917

89, 5.523, 90.165

91, 2.776, 271.539

Harmonies

Complementary

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



71, 71.245, 78.307



45, 77.725, 292.250

Rectangle

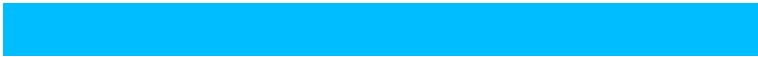
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 71.245, 78.307



71, 71.245, 128.307



71, 71.245, 258.307



71, 71.245, 308.307

Sweetspot

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



71, 71.244, 78.310



93, 24.243, 87.669



50, 74.466, 10.446



49, 16.491, 87.201



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 71.244, 78.310



76, 82.507, 74.912



86, 86.548, 111.391



47, 4.773, 89.824



55, 63.152, 75.615



15, 22.074, 78.419

Inverse Universe

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



45, 77.725, 292.250



44, 99.684, 297.260



33, 113.173, 306.256



45, 4.772, 272.309



30, 74.517, 296.445



6, 25.435, 287.719

Previews

White Background



This preview shows how the CIELCh color 71, 71.245, 78.307 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 CIE LCh color 71, 71.245, 78.307 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 71, 71.245, 78.307

Background



This preview shows how black text looks on a background with the CIELCh color 71, 71.245, 78.307.



This preview shows how white text looks on a background with the CIELCh color 71, 71.245, 78.307.

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

71, 71.269, 78.683

Protanopia

71, 67.991, 95.383

Deuteranopia

71, 70.636, 82.430



Tritanopia
71, 34.184, 12.054

Trichromacy



Original Color
71, 71.269, 78.683

Protanomaly
71, 68.164, 89.102

Deuteranomaly
71, 70.865, 80.935

Tritanomaly
71, 41.248, 52.834

Monochromacy



Original Color
71, 71.269, 78.683

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 27.704, 85.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 71.245, 78.307 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(227, 162, 30)` looks like.

```
.text, #text, p{  
    color:rgb(227, 162, 30)  
}
```

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(227, 162, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 162, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 71.245, 78.307 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(227, 162, 30) }
```

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

```
.border{ border-color:rgb(227, 162, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 162, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 162, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 162, 30);  
box-shadow:4px 4px 4px 4px rgb(227, 162,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 71.245, 78.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 162, 30) }
```

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

```
.background{ background-color: rgb(227,  
162, 30) }
```

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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