

Converting Colors

CIELCh(71, 66.753, 78.237)

Have a look what the booklet for
CIELCh(71, 66.753, 78.237) contains.

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Color

CIELCh(71, 66.568, 78.269)

Conversions

Conversions Part 1

Format	Color
Hex	E1A22D
RGB	225, 162, 45
RGB Percent	88%, 64%, 18%
CMY	0.1164, 0.3636, 0.8223
CMYK	0.00, 0.28, 0.80, 0.12
HSL	39°, 75%, 53%
HSV	39°, 80%, 88%
XYZ	44.5982, 42.1875, 8.3062
YIQ	167.4990, 75.1050, -23.0310

Conversions

Conversions Part 2

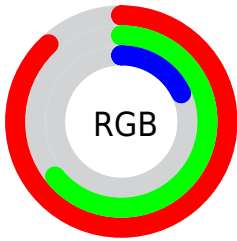
Format	Color
R _Y B	142, 225, 45
Decimal	14787117
CIE Lab	71.00, 13.53, 65.18
CIE LCh	71, 66.568, 78.269
Yxy	42.1875, 0.4690, 0.4437
Android (android.graphics.Color)	4292977197 (0xFFE1A22D)
YUV	167.4990, -60.3920, 50.4284
Hunter-Lab	64.9519, 8.8982, 37.8842

Details

The CIELCh color **71, 66.568, 78.269** 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 **48, 68.794, 288.692**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 61.180, 89.787**, and **51, 59.622, 76.474** is the 20% darker color. If you saturate the color by 10%, you get **69, 71.981, 76.192**, and if you desaturate by 10%, it is **73, 59.322, 80.020**.

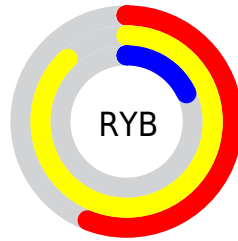
Distribution



Red (88%)

Green (64%)

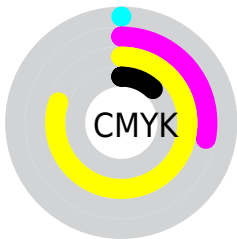
Blue (18%)



Red (56%)

Yellow (88%)

Blue (18%)

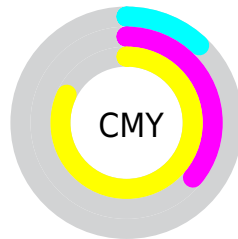


Cyan (0%)

Magenta (28%)

Yellow (80%)

Black (12%)



Cyan (12%)

Magenta (36%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 66.568, 78.269 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, 66.568, 78.269 by changing the saturation by 10% instead.

71, 66.568, 78.269

71, 66.568, 78.269

100, 66.568,
78.269

61, 66.568, 78.269

91, 66.568, 78.269

51, 66.568, 78.269

41, 66.568, 78.269

31, 66.568, 78.269

21, 66.568, 78.269

11, 66.568, 78.269

1, 66.568, 78.269

0, 66.568, 78.269

71, 66.568, 78.269

71, 66.568, 78.269

69, 71.981, 76.192

73, 59.322, 80.020

67, 75.097, 73.657

75, 51.086, 81.591

67, 75.130, 73.629

77, 42.426, 83.068

80, 33.665, 84.489

82, 24.971, 85.865

85, 16.428, 87.200

87, 8.068, 88.481

90, 0.099, 272.574

92, 8.077, 271.007

Harmonies

Complementary

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



71, 66.568, 78.269



48, 68.794, 288.692

Rectangle

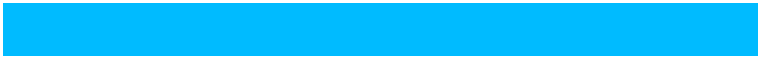
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 66.568, 78.269



71, 66.568, 128.269



71, 66.568, 258.269



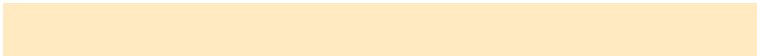
71, 66.568, 308.269

Sweetspot

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



71, 66.567, 78.272



93, 22.026, 86.635



51, 70.726, 6.141



49, 15.193, 86.154



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, 66.567, 78.272



76, 81.446, 74.484



85, 82.292, 110.452



46, 4.615, 88.536



53, 62.453, 74.169



14, 20.592, 76.821

Inverse Universe

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



48, 68.794, 288.692



46, 93.013, 294.962



35, 105.518, 305.373



44, 4.605, 271.036



31, 71.794, 295.496



6, 23.591, 285.751

Previews

White Background



This preview shows how the CIELCh color 71, 66.568, 78.269 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, 66.568, 78.269 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, 66.568, 78.269

Background



This preview shows how black text looks on a background with the CIELCh color 71, 66.568, 78.269.



This preview shows how white text looks on a background with the CIELCh color 71, 66.568, 78.269.

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, 66.568, 78.269

Protanopia

71, 63.324, 95.252

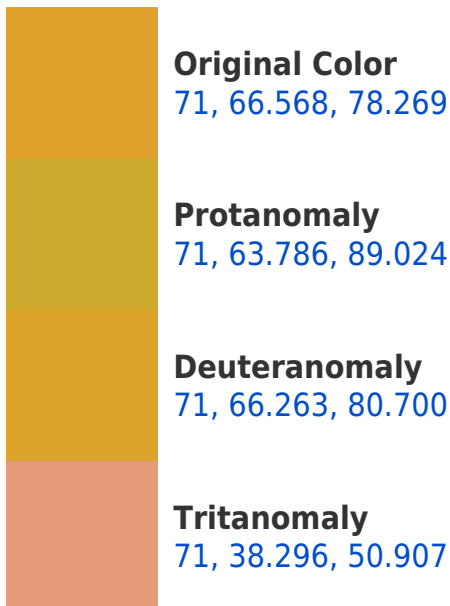
Deuteranopia

71, 66.000, 81.893



Tritanopia
71, 32.571, 11.312

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 66.568, 78.269 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(225, 162, 45)` looks like.

```
.text, #text, p{  
    color:rgb(225, 162, 45)  
}
```

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(225, 162, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 162, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 66.568, 78.269 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(225, 162, 45) }
```

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

```
.border{ border-color:rgb(225, 162, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 162, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 162, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 162, 45);  
box-shadow:4px 4px 4px 4px rgb(225, 162,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 66.568, 78.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 162, 45) }
```

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

```
.background{ background-color: rgb(225,  
162, 45) }
```

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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