

Converting Colors

CIELCh(72, 78.737, 75.092)

Have a look what the booklet for
CIELCh(72, 78.737, 75.092) contains.

CIELCh(72, 78.698, 75.095)	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(72, 78.698, 75.095)

Conversions

Conversions Part 1

Format	Color
Hex	F0A001
RGB	240, 160, 1
RGB Percent	94%, 63%, 0%
CMY	0.0589, 0.3726, 0.9962
CMYK	0.00, 0.33, 1.00, 0.06
HSL	40°, 99%, 47%
HSV	40°, 100%, 94%
XYZ	48.5010, 43.6590, 5.8981
YIQ	165.7940, 98.7190, -32.4890

Conversions

Conversions Part 2

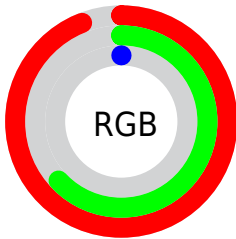
Format	Color
R _Y B	121, 240, 1
Decimal	15769601
CIE Lab	72.00, 20.24, 76.05
CIE LCh	72, 78.698, 75.095
Yxy	43.6590, 0.4946, 0.4452
Android (android.graphics.Color)	4293959681 (0xFFFF0A001)
YUV	165.7940, -81.2434, 65.0787
Hunter-Lab	66.0750, 15.3932, 40.9601

Details

The CIELCh color **72, 78.698, 75.095** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **41, 94.441, 296.998**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.663, 90.014**, and **52, 63.117, 70.637** is the 20% darker color. If you saturate the color by 10%, you get **72, 78.803, 74.996**, and if you desaturate by 10%, it is **74, 75.685, 77.589**.

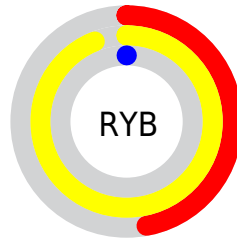
Distribution



Red (94%)

Green (63%)

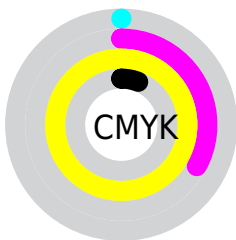
Blue (0%)



Red (47%)

Yellow (94%)

Blue (0%)

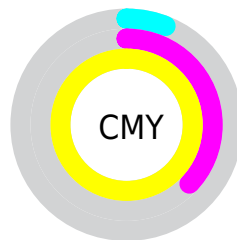


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 78.698, 75.095 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 72, 78.698, 75.095 by changing the saturation by 10% instead.

 72, 78.698, 75.095

 72, 78.698, 75.095

 100, 78.698,
75.095

 62, 78.698, 75.095

 92, 78.698, 75.095

 52, 78.698, 75.095

 42, 78.698, 75.095


 32, 78.698, 75.095

 22, 78.698, 75.095

 12, 78.698, 75.095

 2, 78.698, 75.095

 0, 78.698, 75.095

 72, 78.698, 75.095

 72, 78.698, 75.095

72, 78.803, 74.996

74, 75.685, 77.589

76, 70.135, 79.629

78, 62.603, 81.357

80, 53.972, 82.918

83, 44.848, 84.390

85, 35.582, 85.806

87, 26.360, 87.179

90, 17.273, 88.510

92, 8.363, 89.787

Harmonies

Complementary

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



72, 78.698, 75.095



41, 94.441, 296.998

Rectangle

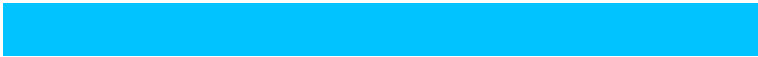
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 78.698, 75.095



72, 78.698, 125.095



72, 78.698, 255.095



72, 78.698, 305.095

Sweetspot

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



72, 78.696, 75.098



92, 28.080, 87.111



51, 82.221, 17.272



48, 19.234, 86.535



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 78.696, 75.098



76, 82.507, 74.891



89, 93.937, 112.012



49, 4.946, 89.802



56, 64.484, 75.531



16, 24.554, 78.332

Inverse Universe

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



41, 94.441, 296.998



44, 99.651, 297.248



31, 126.555, 306.790



47, 4.944, 272.298



31, 76.230, 296.509



7, 28.128, 289.888

Previews

White Background



This preview shows how the CIELCh color 72, 78.698, 75.095 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 72, 78.698, 75.095 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 72, 78.698, 75.095

Background



This preview shows how black text looks on a background with the CIELCh color 72, 78.698, 75.095.



This preview shows how white text looks on a background with the CIELCh color 72, 78.698, 75.095.

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

72, 78.698, 75.095

Protanopia

72, 72.559, 94.786

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 39.373, 14.885

Trichromacy



Original Color
72, 78.698, 75.095

Protanomaly
72, 73.642, 87.155

Deuteranomaly
72, 76.809, 80.037

Tritanomaly
72, 50.207, 54.379

Monochromacy



Original Color
72, 78.698, 75.095

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 34.089, 85.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 78.698, 75.095 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(240, 160, 1)` looks like.

```
.text, #text, p{  
    color:rgb(240, 160, 1)  
}
```

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(240, 160, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 160, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 78.698, 75.095 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(240, 160, 1) }
```

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

```
.border{ border-color:rgb(240, 160, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 160, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 160, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 160, 1);  
box-shadow:4px 4px 4px 4px rgb(240, 160,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 78.698, 75.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 160, 1) }
```

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

```
.background{ background-color: rgb(240,  
160, 1) }
```

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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