

Converting Colors

CIELCh(71, 64.676, 77.380)

Have a look what the booklet for
CIELCh(71, 64.676, 77.380) contains.

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Color

CIELCh(71, 64.776, 77.359)

Conversions

Conversions Part 1

Format	Color
Hex	E2A233
RGB	226, 162, 51
RGB Percent	89%, 64%, 20%
CMY	0.1142, 0.3651, 0.8005
CMYK	0.00, 0.28, 0.77, 0.11
HSL	38°, 75%, 54%
HSV	38°, 77%, 89%
XYZ	44.8193, 42.1875, 8.8990
YIQ	168.4820, 73.7750, -20.9530

Conversions

Conversions Part 2

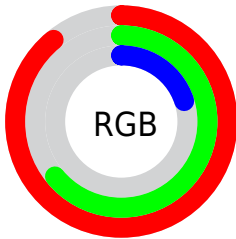
Format	Color
RYB	152, 226, 51
Decimal	14852659
CIELab	71.00, 14.18, 63.21
CIELCh	71, 64.776, 77.359
Yxy	42.1875, 0.4673, 0.4399
Android (android.graphics.Color)	4293042739 (0xFFE2A233)
YUV	168.4820, -57.9186, 50.4433
Hunter-Lab	64.9519, 9.5061, 37.3431

Details

The CIELCh color **71, 64.776, 77.359** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **50, 65.035, 286.702**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 58.995, 89.452**, and **51, 59.869, 76.080** is the 20% darker color. If you saturate the color by 10%, you get **69, 70.863, 75.347**, and if you desaturate by 10%, it is **73, 57.124, 79.073**.

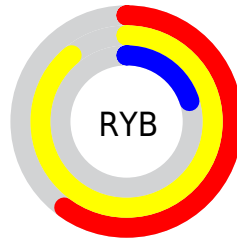
Distribution



Red (89%)

Green (64%)

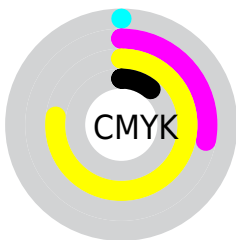
Blue (20%)



Red (60%)

Yellow (89%)

Blue (20%)

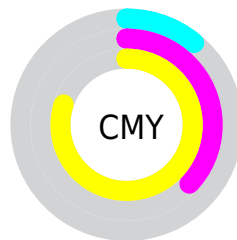


Cyan (0%)

Magenta (28%)

Yellow (77%)

Black (11%)



Cyan (11%)

Magenta (37%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 64.776, 77.359 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, 64.776, 77.359 by changing the saturation by 10% instead.

71, 64.776, 77.359

71, 64.776, 77.359

100, 64.776,
77.359

61, 64.776, 77.359

91, 64.776, 77.359

51, 64.776, 77.359

41, 64.776, 77.359

31, 64.776, 77.359

21, 64.776, 77.359

11, 64.776, 77.359

1, 64.776, 77.359

0, 64.776, 77.359

71, 64.776, 77.359

71, 64.776, 77.359

69, 70.863, 75.347

73, 57.124, 79.073

67, 74.553, 72.821

75, 48.695, 80.625

66, 75.312, 72.156

78, 39.981, 82.091

80, 31.252, 83.506

83, 22.644, 84.878

85, 14.218, 86.206

88, 5.998, 87.473

91, 2.017, 268.914

93, 9.834, 270.000

Harmonies

Complementary

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



71, 64.776, 77.359



50, 65.035, 286.702

Rectangle

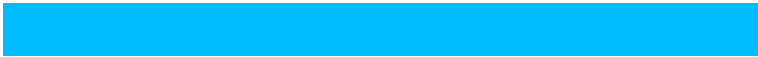
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 64.776, 77.359



71, 64.776, 127.359



71, 64.776, 257.359



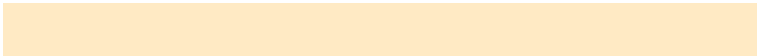
71, 64.776, 307.359

Sweetspot

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



71, 64.775, 77.362



93, 20.805, 85.457



52, 69.557, 5.240



49, 14.466, 84.969



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, 64.775, 77.362



76, 80.477, 73.859



86, 80.969, 110.471



46, 4.547, 87.232



53, 62.470, 72.723



13, 20.414, 75.195

Inverse Universe

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



50, 65.035, 286.702



49, 87.573, 292.858



37, 102.864, 305.070



44, 4.530, 269.750



31, 69.973, 294.555



6, 23.148, 284.946

Previews

White Background



This preview shows how the CIELCh color 71, 64.776, 77.359 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, 64.776, 77.359 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, 64.776, 77.359

Background



This preview shows how black text looks on a background with the CIELCh color 71, 64.776, 77.359.



This preview shows how white text looks on a background with the CIELCh color 71, 64.776, 77.359.

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, 64.776, 77.359

Protanopia

71, 61.164, 95.185

Deuteranopia

71, 63.983, 81.440



Tritanopia
71, 32.964, 11.496

Trichromacy



Original Color
71, 64.776, 77.359

Protanomaly
71, 61.656, 88.760

Deuteranomaly
71, 64.252, 80.214

Tritanomaly
71, 37.621, 49.682

Monochromacy



Original Color
71, 64.776, 77.359

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 24.441, 84.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 64.776, 77.359 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(226, 162, 51)` looks like.

```
.text, #text, p{  
    color:rgb(226, 162, 51)  
}
```

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(226, 162, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 162, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 64.776, 77.359 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(226, 162, 51) }
```

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

```
.border{ border-color:rgb(226, 162, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 162, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 162, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 162, 51); box-shadow:4px 4px 4px 4px rgb(226, 162, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 64.776, 77.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 162, 51) }
```

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

```
.background{ background-color: rgb(226,  
162, 51) }
```

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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