

Converting Colors

CIELCh(72, 72.817, 64.737)

Have a look what the booklet for
CIELCh(72, 72.817, 64.737) contains.

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Color

CIELCh(72, 72.728, 64.674)

Conversions

Conversions Part 1

Format	Color
Hex	FE9832
RGB	254, 152, 50
RGB Percent	100%, 60%, 20%
CMY	0.0047, 0.4046, 0.8046
CMYK	0.00, 0.40, 0.80, 0.00
HSL	30°, 99%, 60%
HSV	30°, 80%, 100%
XYZ	52.5675, 43.6590, 8.6528
YIQ	170.8700, 93.5340, -10.0980

Conversions

Conversions Part 2

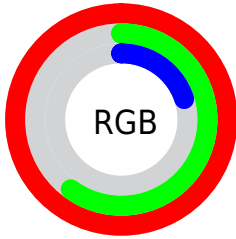
Format	Color
RYB	254, 254, 50
Decimal	16685106
CIELab	72.00, 31.11, 65.74
CIELCh	72, 72.728, 64.674
Yxy	43.6590, 0.5012, 0.4163
Android (android.graphics.Color)	4294875186 (0xFFFE9832)
YUV	170.8700, -59.5889, 72.9050
Hunter-Lab	66.0750, 26.3787, 38.4882

Details

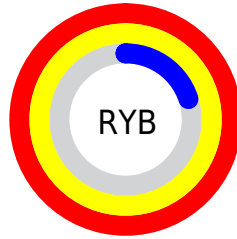
The CIELCh color **72, 72.728, 64.674** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **62, 59.138, 276.125**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 56.898, 84.340**, and **52, 67.998, 62.474** is the 20% darker color. If you saturate the color by 10%, you get **69, 80.299, 62.542**, and if you desaturate by 10%, it is **75, 63.544, 66.316**.

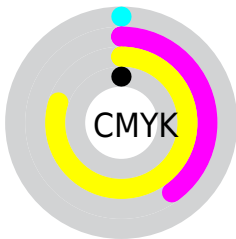
Distribution



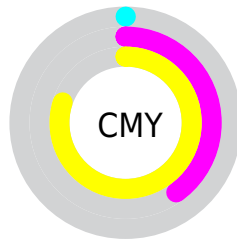
- Red (100%)
- Green (60%)
- Blue (20%)



- Red (100%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 72.728, 64.674 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, 72.728, 64.674 by changing the saturation by 10% instead.

 72, 72.728, 64.674

 72, 72.728, 64.674

 100, 72.728,
64.674

 62, 72.728, 64.674

 92, 72.728, 64.674

 52, 72.728, 64.674

 42, 72.728, 64.674

 32, 72.728, 64.674

 22, 72.728, 64.674

 12, 72.728, 64.674

 2, 72.728, 64.674

 0, 72.728, 64.674

 72, 72.728, 64.674

 72, 72.728, 64.674

69, 80.299, 62.542

75, 63.544, 66.316

67, 85.280, 59.805

78, 53.773, 67.729

81, 43.988, 69.053

85, 34.464, 70.343

88, 25.316, 71.619

92, 16.578, 72.879

96, 8.241, 74.107

99, 0.280, 73.820

100, 0.421,
200.955

Harmonies

Complementary

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



72, 72.728, 64.674



62, 59.138, 276.125

Rectangle

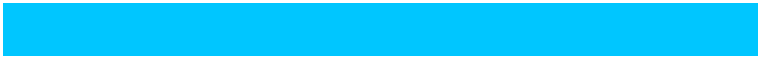
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 72.728, 64.674



72, 72.728, 114.674



72, 72.728, 244.674



72, 72.728, 294.674

Sweetspot

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



72, 72.726, 64.677



91, 19.777, 72.424



58, 79.939, 355.613



47, 13.704, 71.974



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, 72.726, 64.677



68, 83.689, 60.967



97, 89.865, 103.332



51, 4.526, 74.209



51, 68.688, 60.505



16, 27.010, 61.842

Inverse Universe

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



62, 59.138, 276.125



56, 70.681, 283.244



38, 117.958, 304.107



51, 4.425, 256.743



41, 58.326, 284.202



12, 23.739, 277.648

Previews

White Background



This preview shows how the CIELCh color 72, 72.728, 64.674 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, 72.728, 64.674 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, 72.728, 64.674

Background



This preview shows how black text looks on a background with the CIELCh color 72, 72.728, 64.674.



This preview shows how white text looks on a background with the CIELCh color 72, 72.728, 64.674.

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, 72.728, 64.674

Protanopia

72, 61.573, 95.311

Deuteranopia

72, 67.332, 82.339



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 72.728, 64.674

Protanomaly
72, 62.842, 83.007

Deuteranomaly
72, 68.698, 75.342

Tritanomaly
72, 50.785, 42.082

Monochromacy



Original Color
72, 72.728, 64.674

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 25.759, 70.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 72.728, 64.674 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(254, 152, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 152, 50)  
}
```

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(254, 152, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 152, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 72.728, 64.674 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(254, 152, 50) }
```

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

```
.border{ border-color:rgb(254, 152, 50) }
```

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

Here you see how a box with a 4 pixel rgb(254, 152, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 152, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 152, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 152,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 72.728, 64.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 152, 50) }
```

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

```
.background{ background-color: rgb(254,  
152, 50) }
```

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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