

Converting Colors

CIELCh(64, 72.485, 53.645)

Have a look what the booklet for
CIELCh(64, 72.485, 53.645) contains.

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Color

CIELCh(64, 72.271, 53.521)

Conversions

Conversions Part 1

Format	Color
Hex	F37831
RGB	243, 120, 49
RGB Percent	95%, 47%, 19%
CMY	0.0461, 0.5286, 0.8071
CMYK	0.00, 0.51, 0.80, 0.05
HSL	22°, 89%, 57%
HSV	22°, 80%, 95%
XYZ	44.3439, 32.8017, 6.9215
YIQ	148.6830, 96.0990, 3.9950

Conversions

Conversions Part 2

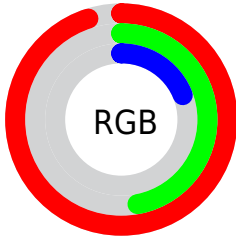
Format	Color
R _Y B	243, 161, 49
Decimal	15956017
CIE Lab	64.00, 42.97, 58.11
CIE LCh	64, 72.271, 53.521
Yxy	32.8017, 0.5275, 0.3902
Android (android.graphics.Color)	4294146097 (0xFFFF37831)
YUV	148.6830, -49.1437, 82.7160
Hunter-Lab	57.2727, 37.9779, 32.9256

Details

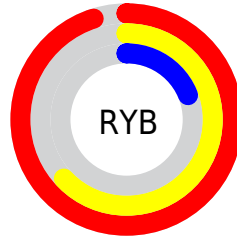
The CIELCh color **64, 72.271, 53.521** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **67, 45.659, 258.341**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 54.248, 65.489**, and **44, 69.708, 51.784** is the 20% darker color. If you saturate the color by 10%, you get **61, 81.452, 52.332**, and if you desaturate by 10%, it is **67, 61.998, 54.283**.

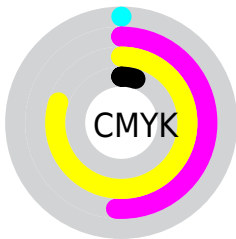
Distribution



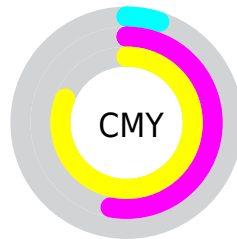
- Red (95%)
- Green (47%)
- Blue (19%)



- Red (95%)
- Yellow (63%)
- Blue (19%)



- Cyan (0%)
- Magenta (51%)
- Yellow (80%)
- Black (5%)



- Cyan (5%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 72.271, 53.521 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 64, 72.271, 53.521 by changing the saturation by 10% instead.

64, 72.271, 53.521

64, 72.271, 53.521

100, 72.271,
53.521

54, 72.271, 53.521

84, 72.271, 53.521

44, 72.271, 53.521

94, 72.271, 53.521

34, 72.271, 53.521

24, 72.271, 53.521

14, 72.271, 53.521

4, 72.271, 53.521

0, 72.271, 53.521

64, 72.271, 53.521

64, 72.271, 53.521

61, 81.452, 52.332

67, 61.998, 54.283

58, 88.371, 50.382

71, 51.614, 54.925

58, 88.521, 50.343

75, 41.580, 55.583

79, 32.082, 56.301

83, 23.179, 57.084

87, 14.863, 57.918

92, 7.098, 58.768

96, 0.165, 243.035

99, 4.060, 199.311

Harmonies

Complementary

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



64, 72.271, 53.521



67, 45.659, 258.341

Rectangle

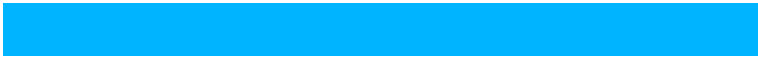
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 72.271, 53.521



64, 72.271, 103.521



64, 72.271, 233.521



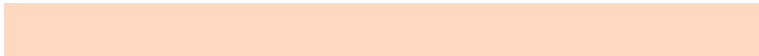
64, 72.271, 283.521

Sweetspot

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



64, 72.269, 53.524



89, 19.026, 57.556



57, 82.730, 344.759



46, 13.236, 57.259



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 72.269, 53.524



62, 89.225, 51.081



86, 77.908, 94.173



49, 4.145, 58.791



45, 71.998, 50.969



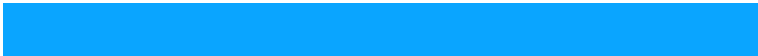
12, 25.333, 48.330

Inverse Universe

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



67, 45.659, 258.341



65, 54.168, 266.419



42, 97.249, 299.347



49, 3.971, 240.781



48, 43.493, 267.399



14, 17.695, 259.354

Previews

White Background



This preview shows how the CIELCh color 64, 72.271, 53.521 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 64, 72.271, 53.521 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 64, 72.271, 53.521

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.271, 53.521.



This preview shows how white text looks on a background with the CIELCh color 64, 72.271, 53.521.

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

64, 72.271, 53.521

Protanopia

64, 51.652, 95.447

Deuteranopia

64, 60.261, 82.121



Tritanopia
64, 55.627, 21.833

Trichromacy



Original Color
64, 72.271, 53.521

Protanomaly
63, 54.649, 76.299

Deuteranomaly
64, 62.602, 70.197

Tritanomaly
64, 59.427, 36.298

Monochromacy



Original Color
64, 72.271, 53.521

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 24.287, 57.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.271, 53.521 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(243, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(243, 120, 49)  
}
```

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(243, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 120, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.271, 53.521 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(243, 120, 49) }
```

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

```
.border{ border-color:rgb(243, 120, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 120, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(243, 120,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.271, 53.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 120, 49) }
```

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

```
.background{ background-color: rgb(243,  
120, 49) }
```

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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