

Converting Colors

CIELCh(65, 68.947, 62.894)

Have a look what the booklet for
CIELCh(65, 68.947, 62.894) contains.

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Color

CIELCh(65, 68.751, 62.851)

Conversions

Conversions Part 1

Format	Color
Hex	E7852A
RGB	231, 133, 42
RGB Percent	91%, 52%, 16%
CMY	0.0930, 0.4775, 0.8343
CMYK	0.00, 0.42, 0.82, 0.09
HSL	29°, 80%, 54%
HSV	29°, 82%, 91%
XYZ	41.8914, 34.0472, 6.5785
YIQ	151.9280, 87.6190, -7.5250

Conversions

Conversions Part 2

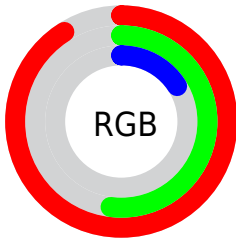
Format	Color
R _Y B	231, 218, 42
Decimal	15172906
CIE Lab	65.00, 31.37, 61.18
CIE LCh	65, 68.751, 62.851
Yxy	34.0472, 0.5077, 0.4126
Android (android.graphics.Color)	4293362986 (0xFFE7852A)
YUV	151.9280, -54.1945, 69.3461
Hunter-Lab	58.3500, 26.0387, 34.1604

Details

The CIELCh color **65, 68.751, 62.851** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **57, 53.943, 274.477**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 57.305, 74.426**, and **45, 62.939, 59.661** is the 20% darker color. If you saturate the color by 10%, you get **62, 75.824, 60.739**, and if you desaturate by 10%, it is **68, 60.139, 64.439**.

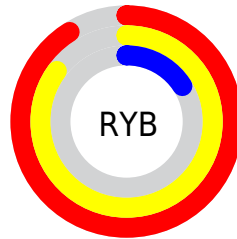
Distribution



Red (91%)

Green (52%)

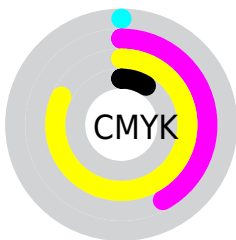
Blue (16%)



Red (91%)

Yellow (85%)

Blue (16%)

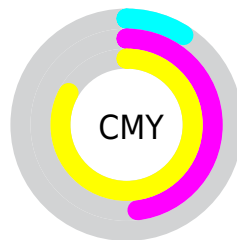


Cyan (0%)

Magenta (42%)

Yellow (82%)

Black (9%)



Cyan (9%)

Magenta (48%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.751, 62.851 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 65, 68.751, 62.851 by changing the saturation by 10% instead.

65, 68.751, 62.851

65, 68.751, 62.851

100, 68.751,
62.851

55, 68.751, 62.851

85, 68.751, 62.851

45, 68.751, 62.851

95, 68.751, 62.851

35, 68.751, 62.851

25, 68.751, 62.851

15, 68.751, 62.851

5, 68.751, 62.851

0, 68.751, 62.851

65, 68.751, 62.851

65, 68.751, 62.851

62, 75.824, 60.739

68, 60.139, 64.439

60, 80.081, 58.492

71, 50.976, 65.787

74, 41.815, 67.046

77, 32.921, 68.278

81, 24.402, 69.502

84, 16.289, 70.720

88, 8.573, 71.915

91, 1.227, 72.820

95, 5.783, 254.419

Harmonies

Complementary

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



65, 68.751, 62.851



57, 53.943, 274.477

Rectangle

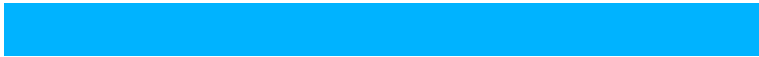
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 68.751, 62.851



65, 68.751, 112.851



65, 68.751, 242.851



65, 68.751, 292.851

Sweetspot

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



65, 68.749, 62.854



90, 20.462, 70.307



53, 75.822, 353.316



47, 14.087, 69.876



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 68.749, 62.854



67, 85.298, 58.827



88, 82.260, 101.435



46, 4.102, 72.179



47, 65.710, 59.184



12, 20.931, 58.567

Inverse Universe

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



57, 53.943, 274.477



57, 69.489, 282.253



35, 108.055, 303.491



46, 4.000, 254.648



40, 53.094, 282.050



9, 19.157, 273.193

Previews

White Background



This preview shows how the CIELCh color 65, 68.751, 62.851 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 65, 68.751, 62.851 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 65, 68.751, 62.851

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.751, 62.851.



This preview shows how white text looks on a background with the CIELCh color 65, 68.751, 62.851.

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

65, 68.751, 62.851

Protanopia

65, 56.960, 95.781

Deuteranopia

65, 62.751, 82.368



Tritanopia
65, 45.890, 18.648

Trichromacy



Original Color
65, 68.751, 62.851

Protanomaly
65, 58.300, 82.227

Deuteranomaly
65, 63.929, 74.633

Tritanomaly
65, 50.340, 40.539

Monochromacy



Original Color
65, 68.751, 62.851

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 24.355, 68.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.751, 62.851 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(231, 133, 42)` looks like.

```
.text, #text, p{  
    color:rgb(231, 133, 42)  
}
```

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(231, 133, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 133, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.751, 62.851 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(231, 133, 42) }
```

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

```
.border{ border-color:rgb(231, 133, 42) }
```

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

Here you see how a box with a 4 pixel rgb(231, 133, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 133, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 133, 42);  
box-shadow:4px 4px 4px 4px rgb(231, 133,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.751, 62.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 133, 42) }
```

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

```
.background{ background-color: rgb(231,  
133, 42) }
```

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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