

Converting Colors

CIELCh(65, 79.367, 52.115)

Have a look what the booklet for
CIELCh(65, 79.367, 52.115) contains.

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Color

CIELCh(65, 79.367, 52.115)

Conversions

Conversions Part 1

Format	Color
Hex	FF752A
RGB	255, 117, 42
RGB Percent	100%, 46%, 16%
CMY	0.0010, 0.5420, 0.8362
CMYK	0.00, 0.54, 0.84, 0.00
HSL	21°, 100%, 58%
HSV	21°, 84%, 100%
XYZ	47.8928, 34.0472, 6.2173
YIQ	149.7120, 106.3230, 5.9310

Conversions

Conversions Part 2

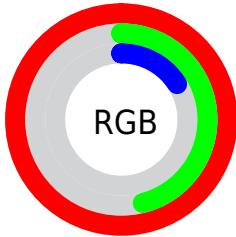
Format	Color
RYB	255, 158, 42
Decimal	16741674
CIELab	65.00, 48.74, 62.64
CIElCh	65, 79.367, 52.115
Yxy	34.0472, 0.5433, 0.3862
Android (android.graphics.Color)	4294931754 (0xFFFF752A)
YUV	149.7120, -53.1020, 92.3376
Hunter-Lab	58.3500, 44.3977, 34.5275

Details

The CIELCh color **65, 79.367, 52.115** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **70, 48.005, 258.030**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 56.224, 65.603**, and **45, 74.704, 49.139** is the 20% darker color. If you saturate the color by 10%, you get **62, 88.156, 50.733**, and if you desaturate by 10%, it is **68, 68.853, 52.874**.

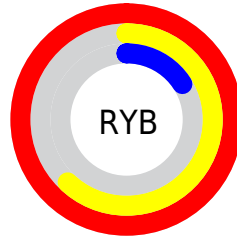
Distribution



Red (100%)

Green (46%)

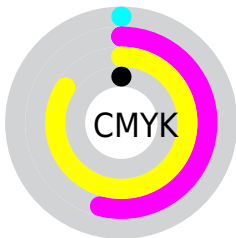
Blue (16%)



Red (100%)

Yellow (62%)

Blue (16%)

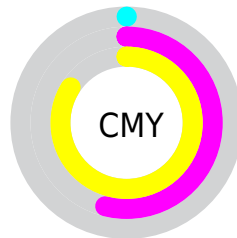


Cyan (0%)

Magenta (54%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 79.367, 52.115 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, 79.367, 52.115 by changing the saturation by 10% instead.

65, 79.367, 52.115

65, 79.367, 52.115

100, 79.367,
52.115

55, 79.367, 52.115

85, 79.367, 52.115

45, 79.367, 52.115

95, 79.367, 52.115

35, 79.367, 52.115

25, 79.367, 52.115

15, 79.367, 52.115

5, 79.367, 52.115

0, 79.367, 52.115

65, 79.367, 52.115

65, 79.367, 52.115

62, 88.156, 50.733

68, 68.853, 52.874

60, 92.466, 49.461

72, 57.926, 53.428

76, 47.243, 53.973

80, 37.087, 54.582

85, 27.557, 55.268

89, 18.664, 56.021

94, 10.378, 56.816

98, 2.649, 57.513

100, 0.092,
206.659

Harmonies

Complementary

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



65, 79.367, 52.115



70, 48.005, 258.030

Rectangle

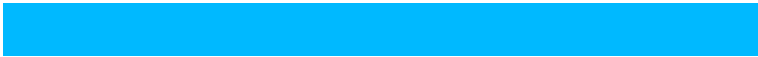
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 79.367, 52.115



65, 79.367, 102.115



65, 79.367, 232.115



65, 79.367, 282.115

Sweetspot

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



65, 79.364, 52.118



88, 19.890, 55.912



58, 87.245, 345.510



46, 13.744, 55.643



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, 79.364, 52.118



60, 92.541, 49.459



89, 82.923, 93.724



51, 4.280, 57.138



46, 74.073, 50.093



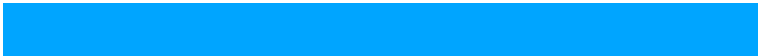
14, 27.922, 48.003

Inverse Universe

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



70, 48.005, 258.030



65, 54.366, 266.317



42, 106.063, 300.455



51, 4.092, 239.046



50, 43.281, 265.340



15, 18.460, 258.073

Previews

White Background



This preview shows how the CIELCh color 65, 79.367, 52.115 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, 79.367, 52.115 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, 79.367, 52.115

Background



This preview shows how black text looks on a background with the CIELCh color 65, 79.367, 52.115.



This preview shows how white text looks on a background with the CIELCh color 65, 79.367, 52.115.

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, 79.367, 52.115

Protanopia

65, 55.469, 95.224

Deuteranopia

65, 65.421, 82.502



Tritanopia
65, 60.313, 23.313

Trichromacy



Original Color
65, 79.367, 52.115

Protanomaly
64, 58.880, 75.001

Deuteranomaly
65, 68.041, 69.465

Tritanomaly
65, 65.646, 36.789

Monochromacy



Original Color
65, 79.367, 52.115

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 26.943, 54.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 79.367, 52.115 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(255, 117, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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(255, 117, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 79.367, 52.115 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(255, 117, 42) }
```

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

```
.border{ border-color:rgb(255, 117, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 79.367, 52.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 42) }
```

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

```
.background{ background-color: rgb(255,  
117, 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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