

Converting Colors

CIELCh(79, 75.650, 78.274)

Have a look what the booklet for
CIELCh(79, 75.650, 78.274) contains.

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Color

CIELCh(79, 75.762, 78.046)

Conversions

Conversions Part 1

Format	Color
Hex	FFB62B
RGB	255, 182, 43
RGB Percent	100%, 71%, 17%
CMY	0.0000, 0.2860, 0.8311
CMYK	0.00, 0.29, 0.83, 0.00
HSL	39°, 100%, 58%
HSV	39°, 83%, 100%
XYZ	58.4429, 54.9284, 9.8146
YIQ	187.9810, 88.1270, -27.7530

Conversions

Conversions Part 2

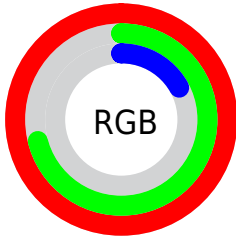
Format	Color
RYB	154, 255, 43
Decimal	16758315
CIELab	79.00, 15.69, 74.12
CIELCh	79, 75.762, 78.046
Yxy	54.9284, 0.4744, 0.4459
Android (android.graphics.Color)	4294948395 (0xFFFFB62B)
YUV	187.9810, -71.4756, 58.7757
Hunter-Lab	74.1137, 11.0585, 44.0281

Details

The CIELCh color **79, 75.762, 78.046** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **52, 80.239, 290.505**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 66.951, 98.736**, and **59, 66.934, 75.712** is the 20% darker color. If you saturate the color by 10%, you get **77, 80.629, 75.812**, and if you desaturate by 10%, it is **81, 68.424, 79.919**.

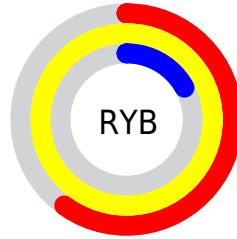
Distribution



Red (100%)

Green (71%)

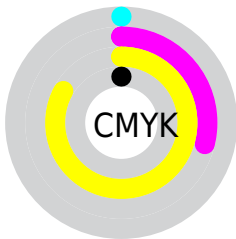
Blue (17%)



Red (60%)

Yellow (100%)

Blue (17%)

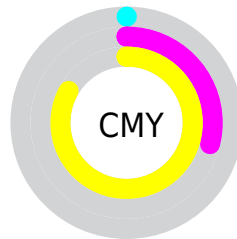


Cyan (0%)

Magenta (29%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 75.762, 78.046 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 79, 75.762, 78.046 by changing the saturation by 10% instead.

 79, 75.762, 78.046

 79, 75.762, 78.046

 100, 75.762,
78.046

 69, 75.762, 78.046

 99, 75.762, 78.046

 59, 75.762, 78.046

 49, 75.762, 78.046

 39, 75.762, 78.046

 29, 75.762, 78.046

 19, 75.762, 78.046

 9, 75.762, 78.046

 0, 75.762, 78.046

 79, 75.762, 78.046

 79, 75.762, 78.046

77, 80.629, 75.812

81, 68.424, 79.919

75, 82.494, 73.979

84, 59.658, 81.548

86, 50.205, 83.059

88, 40.518, 84.504

91, 30.840, 85.902

94, 21.296, 87.258

96, 11.939, 88.566

99, 2.789, 89.758

100, 0.012,
296.813

Harmonies

Complementary

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



79, 75.762, 78.046



52, 80.239, 290.505

Rectangle

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



79, 75.762, 78.046



79, 75.762, 128.046



79, 75.762, 258.046



79, 75.762, 308.046

Sweetspot

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



79, 75.746, 78.069



93, 23.090, 87.004



56, 79.716, 9.105



49, 15.814, 86.530



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 75.746, 78.069



75, 82.494, 73.979



95, 92.826, 111.334



52, 5.156, 89.020



58, 66.448, 74.544



19, 27.955, 77.310

Inverse Universe

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



52, 80.239, 290.505



44, 98.155, 296.722



39, 120.188, 305.994



50, 5.148, 271.546



33, 77.627, 296.076



8, 31.135, 290.844

Previews

White Background



This preview shows how the CIELCh color 79, 75.762, 78.046 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 79, 75.762, 78.046 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 79, 75.762, 78.046

Background



This preview shows how black text looks on a background with the CIELCh color 79, 75.762, 78.046.



This preview shows how white text looks on a background with the CIELCh color 79, 75.762, 78.046.

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

79, 75.762, 78.046

Protanopia

79, 71.865, 95.118

Deuteranopia

79, 75.113, 82.222



Tritanopia
79, 31.716, 12.736

Trichromacy



Original Color
79, 75.762, 78.046

Protanomaly
79, 72.305, 88.638

Deuteranomaly
79, 75.295, 80.839

Tritanomaly
79, 41.300, 55.169

Monochromacy



Original Color
79, 75.762, 78.046

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 29.357, 86.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 75.762, 78.046 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, 182, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 43)  
}
```

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, 182, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 75.762, 78.046 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, 182, 43) }
```

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

```
.border{ border-color:rgb(255, 182, 43) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 75.762, 78.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 43) }
```

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

```
.background{ background-color: rgb(255,  
182, 43) }
```

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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