

Converting Colors

CIELCh(78, 79.163, 77.550)

Have a look what the booklet for
CIELCh(78, 79.163, 77.550) contains.

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Color

CIELCh(78, 79.250, 77.289)

Conversions

Conversions Part 1

Format	Color
Hex	FFB21B
RGB	255, 178, 27
RGB Percent	100%, 70%, 11%
CMY	0.0000, 0.3017, 0.8937
CMYK	0.00, 0.30, 0.89, 0.00
HSL	40°, 100%, 55%
HSV	40°, 89%, 100%
XYZ	57.3915, 53.2120, 8.2882
YIQ	183.8090, 94.3630, -30.6370

Conversions

Conversions Part 2

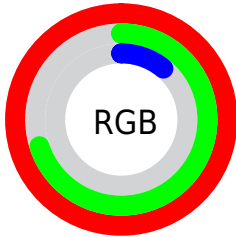
Format	Color
RYB	143, 255, 27
Decimal	16757275
CIELab	78.00, 17.44, 77.31
CIElCh	78, 79.250, 77.289
Yxy	53.2120, 0.4827, 0.4476
Android (android.graphics.Color)	4294947355 (0xFFFFB21B)
YUV	183.8090, -77.3068, 62.4345
Hunter-Lab	72.9466, 12.7805, 44.3260

Details

The CIELCh color **78, 79.250, 77.289** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **49, 87.828, 293.270**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 69.700, 97.259**, and **58, 66.643, 74.574** is the 20% darker color. If you saturate the color by 10%, you get **76, 82.337, 74.771**, and if you desaturate by 10%, it is **80, 73.391, 79.367**.

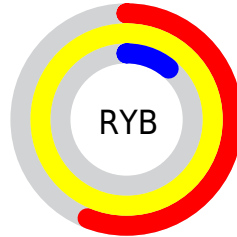
Distribution



Red (100%)

Green (70%)

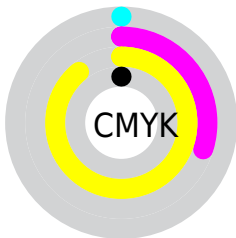
Blue (11%)



Red (56%)

Yellow (100%)

Blue (11%)

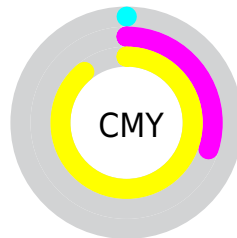


Cyan (0%)

Magenta (30%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 79.250, 77.289 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 78, 79.250, 77.289 by changing the saturation by 10% instead.

 78, 79.250, 77.289

 78, 79.250, 77.289

 100, 79.250,
77.289

 68, 79.250, 77.289

 98, 79.250, 77.289

 58, 79.250, 77.289

 48, 79.250, 77.289

 38, 79.250, 77.289

 28, 79.250, 77.289

 18, 79.250, 77.289

 8, 79.250, 77.289

 0, 79.250, 77.289

 78, 79.250, 77.289

 78, 79.250, 77.289

76, 82.337, 74.771

80, 73.391, 79.367

76, 82.500, 74.609

82, 65.464, 81.106

85, 56.389, 82.676

87, 46.805, 84.154

90, 37.081, 85.576

92, 27.410, 86.955

95, 17.887, 88.291

97, 8.555, 89.572

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.



78, 79.250, 77.289



49, 87.828, 293.270

Rectangle

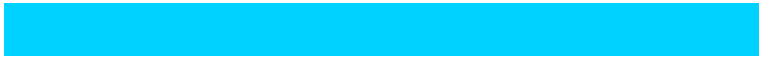
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 79.250, 77.289



78, 79.250, 127.289



78, 79.250, 257.289



78, 79.250, 307.289

Sweetspot

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



78, 79.235, 77.308



93, 25.133, 87.276



55, 82.599, 12.014



49, 16.994, 86.814



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 79.235, 77.308



76, 82.500, 74.609



95, 95.739, 111.492



52, 5.189, 89.556



58, 66.461, 75.164



19, 28.038, 77.932

Inverse Universe

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



49, 87.828, 293.270



44, 99.189, 297.087



36, 126.399, 306.479



50, 5.185, 272.073



33, 78.450, 296.450



8, 31.467, 291.275

Previews

White Background



This preview shows how the CIELCh color 78, 79.250, 77.289 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 78, 79.250, 77.289 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 78, 79.250, 77.289

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.250, 77.289.



This preview shows how white text looks on a background with the CIELCh color 78, 79.250, 77.289.

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

78, 79.250, 77.289

Protanopia

78, 75.129, 95.102

Deuteranopia

78, 78.365, 82.620



Tritanopia
78, 33.414, 13.422

Trichromacy



Original Color
78, 79.250, 77.289

Protanomaly
78, 75.555, 88.483

Deuteranomaly
78, 78.566, 80.585

Tritanomaly
78, 44.798, 56.273

Monochromacy



Original Color
78, 79.250, 77.289

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 31.795, 85.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.250, 77.289 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, 178, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 27)  
}
```

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, 178, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.250, 77.289 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, 178, 27) }
```

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

```
.border{ border-color:rgb(255, 178, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.250, 77.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 27) }
```

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

```
.background{ background-color: rgb(255,  
178, 27) }
```

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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