

Converting Colors

CIELCh(78, 80.586, 77.670)

Have a look what the booklet for
CIELCh(78, 80.586, 77.670) contains.

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Color

CIELCh(78, 80.626, 77.594)

Conversions

Conversions Part 1

Format	Color
Hex	FFB213
RGB	255, 178, 19
RGB Percent	100%, 70%, 7%
CMY	0.0000, 0.3015, 0.9246
CMYK	0.00, 0.30, 0.92, 0.00
HSL	40°, 100%, 54%
HSV	40°, 92%, 100%
XYZ	57.3442, 53.2120, 7.8742
YIQ	182.8970, 96.9310, -33.1250

Conversions

Conversions Part 2

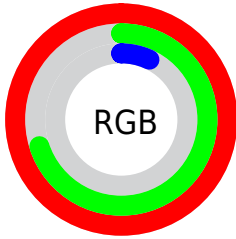
Format	Color
R _Y B	133, 255, 19
Decimal	16757267
CIE Lab	78.00, 17.32, 78.74
CIE LCh	78, 80.626, 77.594
Yxy	53.2120, 0.4842, 0.4493
Android (android.graphics.Color)	4294947347 (0xFFFFB213)
YUV	182.8970, -80.8012, 63.2343
Hunter-Lab	72.9466, 12.6647, 44.6626

Details

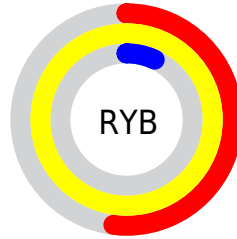
The CIELCh color **78, 80.626, 77.594** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **47, 92.845, 295.092**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 71.285, 97.280**, and **58, 66.643, 74.574** is the 20% darker color. If you saturate the color by 10%, you get **76, 82.539, 75.714**, and if you desaturate by 10%, it is **80, 75.713, 79.780**.

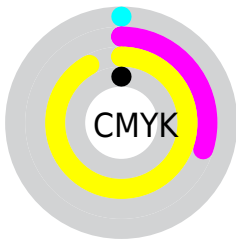
Distribution



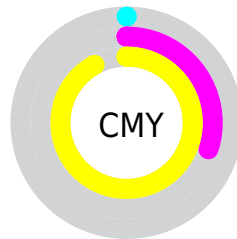
- Red (100%)
- Green (70%)
- Blue (7%)



- Red (52%)
- Yellow (100%)
- Blue (7%)



- Cyan (0%)
- Magenta (30%)
- Yellow (92%)
- Black (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 80.626, 77.594 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, 80.626, 77.594 by changing the saturation by 10% instead.

 78, 80.626, 77.594

 78, 80.626, 77.594

 100, 80.626,
77.594

 68, 80.626, 77.594

 98, 80.626, 77.594

 58, 80.626, 77.594

 48, 80.626, 77.594

 38, 80.626, 77.594

 28, 80.626, 77.594

 18, 80.626, 77.594

 8, 80.626, 77.594

 0, 80.626, 77.594

 78, 80.626, 77.594

 78, 80.626, 77.594

76, 82.539, 75.714

80, 75.713, 79.780

82, 68.403, 81.572

84, 59.641, 83.168

87, 50.167, 84.658

89, 40.429, 86.088

92, 30.673, 87.472

94, 21.024, 88.815

97, 11.542, 90.110

99, 2.248, 91.269

Harmonies

Complementary

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



78, 80.626, 77.594



47, 92.845, 295.092

Rectangle

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



78, 80.626, 77.594



78, 80.626, 127.594



78, 80.626, 257.594



78, 80.626, 307.594

Sweetspot

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



78, 80.598, 77.629



93, 26.351, 88.077



55, 84.126, 15.116



48, 18.263, 87.492



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, 80.598, 77.629



76, 82.539, 75.714



94, 97.066, 112.541



52, 5.248, 90.480



59, 66.506, 76.250



19, 28.193, 79.014

Inverse Universe

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



47, 92.845, 295.092



43, 100.992, 297.707



35, 128.512, 306.770



50, 5.251, 272.980



32, 79.888, 297.086



8, 32.052, 292.013

Previews

White Background



This preview shows how the CIELCh color 78, 80.626, 77.594 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, 80.626, 77.594 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, 80.626, 77.594

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.626, 77.594.



This preview shows how white text looks on a background with the CIELCh color 78, 80.626, 77.594.

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, 80.626, 77.594

Protanopia

78, 76.558, 95.118

Deuteranopia

78, 79.965, 82.868



Tritanopia
78, 33.414, 13.422

Trichromacy



Original Color
78, 80.626, 77.594

Protanomaly
78, 76.919, 88.607

Deuteranomaly
78, 80.187, 80.877

Tritanomaly
78, 45.544, 57.154

Monochromacy



Original Color
78, 80.626, 77.594

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 33.313, 86.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.626, 77.594 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.626, 77.594 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, 19) }
```

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

```
.border{ border-color:rgb(255, 178, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.626, 77.594 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, 19) }
```

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

```
.background{ background-color: rgb(255,  
178, 19) }
```

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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