

Converting Colors

CIELCh(78, 55.718, 72.255)

Have a look what the booklet for
CIELCh(78, 55.718, 72.255) contains.

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Color

CIELCh(78, 55.718, 72.255)

Conversions

Conversions Part 1

Format	Color
Hex	F9B35D
RGB	249, 179, 93
RGB Percent	98%, 70%, 36%
CMY	0.0232, 0.2978, 0.6350
CMYK	0.00, 0.28, 0.63, 0.02
HSL	33°, 93%, 67%
HSV	33°, 63%, 98%
XYZ	57.2060, 53.2120, 17.6267
YIQ	190.1260, 69.3260, -11.9060

Conversions

Conversions Part 2

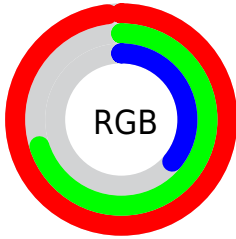
Format	Color
R _Y B	220, 249, 93
Decimal	16364381
CIE Lab	78.00, 16.98, 53.07
CIE LCh	78, 55.718, 72.255
Yxy	53.2120, 0.4468, 0.4156
Android (android.graphics.Color)	4294554461 (0xFFFF9B35D)
YUV	190.1260, -47.8831, 51.6325
Hunter-Lab	72.9466, 12.3265, 36.7358

Details

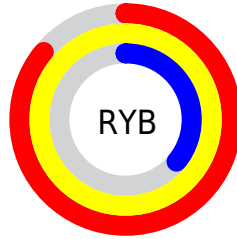
The CIELCh color **78, 55.718, 72.255** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **66, 49.573, 274.413**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 45.826, 96.341**, and **58, 55.954, 71.993** is the 20% darker color. If you saturate the color by 10%, you get **75, 64.921, 70.672**, and if you desaturate by 10%, it is **81, 46.235, 73.719**.

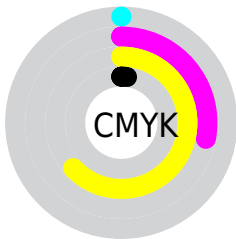
Distribution



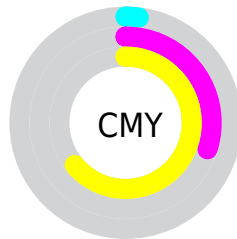
- Red (98%)
- Green (70%)
- Blue (36%)



- Red (86%)
- Yellow (98%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (63%)
- Black (2%)



- Cyan (2%)
- Magenta (30%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 55.718, 72.255 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, 55.718, 72.255 by changing the saturation by 10% instead.

 78, 55.718, 72.255

 78, 55.718, 72.255

 100, 55.718,
72.255

 68, 55.718, 72.255

 98, 55.718, 72.255

 58, 55.718, 72.255

 48, 55.718, 72.255

 38, 55.718, 72.255

 28, 55.718, 72.255

 18, 55.718, 72.255

 8, 55.718, 72.255

 0, 55.718, 72.255

 78, 55.718, 72.255

 78, 55.718, 72.255

75, 64.921, 70.672

81, 46.235, 73.719

72, 73.165, 68.815

84, 36.830, 75.119

70, 79.395, 66.419

87, 27.670, 76.485

68, 82.441, 64.246

90, 18.823, 77.820

94, 10.303, 79.116

97, 2.102, 80.249

100, 2.055,
199.597

Harmonies

Complementary

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



78, 55.718, 72.255



66, 49.573, 274.413

Rectangle

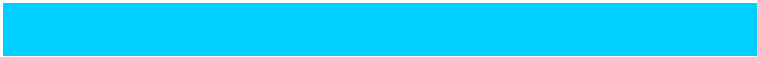
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 55.718, 72.255



78, 55.718, 122.255



78, 55.718, 252.255



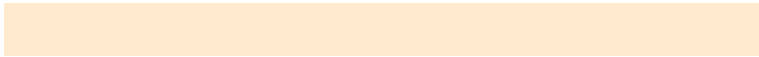
78, 55.718, 302.255

Sweetspot

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



78, 55.717, 72.259



94, 15.991, 78.294



62, 65.851, 354.718



49, 11.067, 77.919



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, 55.717, 72.259



76, 68.277, 70.249



95, 74.546, 106.863



50, 4.619, 79.509



53, 66.768, 64.921



16, 25.926, 66.889

Inverse Universe

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



66, 49.573, 274.413



62, 60.498, 279.027



49, 90.182, 301.253



49, 4.551, 262.091



38, 63.780, 288.770



10, 25.157, 282.302

Previews

White Background



This preview shows how the CIELCh color 78, 55.718, 72.255 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, 55.718, 72.255 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, 55.718, 72.255

Background



This preview shows how black text looks on a background with the CIELCh color 78, 55.718, 72.255.



This preview shows how white text looks on a background with the CIELCh color 78, 55.718, 72.255.

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, 55.718, 72.255

Protanopia

78, 50.016, 95.646

Deuteranopia

78, 54.157, 79.636



Tritanopia
78, 33.898, 10.919

Trichromacy



Original Color
78, 55.718, 72.255

Protanomaly
78, 50.984, 86.703

Deuteranomaly
78, 54.735, 76.849

Tritanomaly
78, 35.644, 41.675

Monochromacy



Original Color
78, 55.718, 72.255

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 19.457, 77.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 55.718, 72.255 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(249, 179, 93)` looks like.

```
.text, #text, p{  
    color:rgb(249, 179, 93)  
}
```

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(249, 179, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 179, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 55.718, 72.255 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(249, 179, 93) }
```

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

```
.border{ border-color:rgb(249, 179, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 179, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 179, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 179, 93);  
box-shadow:4px 4px 4px 4px rgb(249, 179,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 55.718, 72.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 179, 93) }
```

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

```
.background{ background-color: rgb(249,  
179, 93) }
```

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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