

Converting Colors

XYZ(90.3348, 85.8123, 64.2093)

Have a look what the booklet for
XYZ(90.3348, 85.8123, 64.2093)
contains.

XYZ(78.4002, 79.6382, 63.4641)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.4002, 79.6382,
63.4641)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2C4
RGB	255, 226, 196
RGB Percent	100%, 89%, 77%
CMY	0.0000, 0.1137, 0.2314
CMYK	0.00, 0.11, 0.23, 0.00
HSL	31°, 100%, 88%
HSV	31°, 23%, 100%
XYZ	78.4002, 79.6382, 63.4641
YIQ	231.2510, 26.9140, -3.1820

Conversions

Conversions Part 2

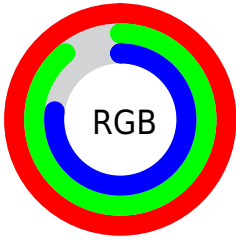
Format	Color
R _Y B	253, 255, 196
Decimal	16769732
CIE Lab	91.52, 5.46, 18.32
CIE LCh	92, 19.114, 73.405
Yxy	79.6382, 0.3539, 0.3595
Android (android.graphics.Color)	4294959812 (0xFFFFE2C4)
YUV	231.2510, -17.3787, 20.8279
Hunter-Lab	89.2402, 0.6471, 20.3035

Details

The XYZ color **78.4002, 79.6382, 63.4641** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.7394, 72.8040, 105.0901**, and the grayscale version is **76.2555, 80.2267, 87.3669**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **42.7341, 43.0846, 31.6550** is the 20% darker color. If you saturate the color by 10%, you get **72.4571, 72.0089, 48.3598**, and if you desaturate by 10%, it is **85.0895, 87.9699, 81.2528**.

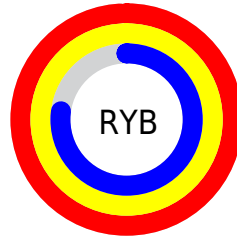
Distribution



Red (100%)

Green (89%)

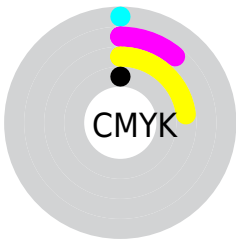
Blue (77%)



Red (99%)

Yellow (100%)

Blue (77%)

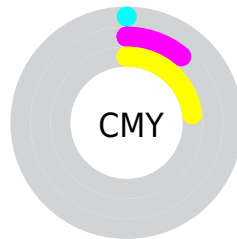


Cyan (0%)

Magenta (11%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4002, 79.6382, 63.4641 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 XYZ color 78.4002, 79.6382, 63.4641 by changing the saturation by 10% instead.


 78.4002, 79.6382,
63.4641

 78.4002, 79.6382,
63.4641


478.3439,
493.7127, 455.4061

 58.7067, 59.4207,
45.7734


130.0765,
132.8569, 111.4308

 42.6225, 42.9519,
31.7196


162.7900,
166.6269, 142.5439

 29.7823, 29.8473,
20.8844


200.5743,
205.6832, 178.9681

 19.8207, 19.7227,
12.8491

243.7946,
250.4102, 221.1221

 12.3722, 12.1937,
7.1952

292.8164,
301.1922, 269.4243

 7.0717, 6.8757,
3.5042

348.0050,

 3.5537, 3.3845,

358.4137, 324.2934

1.3575

409.7257,
422.4591, 386.1478

■ 1.4529, 1.3356,
0.1082

■ 0.2934, 0.1685,
0.0000

■ 78.4002, 79.6382,
63.4641

■ 78.4002, 79.6382,
63.4641

■ 72.4571, 72.0089,
48.3598

■ 85.0895, 87.9699,
81.2528

■ 67.2243, 65.0511,
35.8018

■ 92.5476, 97.0132,
101.8448

■ 62.6712, 58.7464,
25.6472

95.0500, 100.0000,
108.9000

■ 58.7622, 53.0717,
17.7368

■ 55.4579, 48.0017,
11.8918

■ 52.7132, 43.5086,
7.9054

■ 50.4746, 39.5609,
5.5268

■ 49.1807, 37.1413,
4.5769

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7038, 79.6382, 69.5568



78.4002, 79.6382, 63.4641



73.5432, 79.6382, 63.1507

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4002, 79.6382, 63.4641



66.9441, 79.6382, 93.0803



82.3132, 79.6382, 107.6952

Complementary

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



78.4002, 79.6382, 63.4641



67.7394, 72.8040, 105.0901

Split Complementary

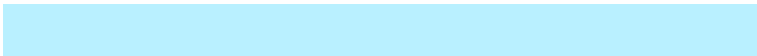
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8857, 79.6382, 115.5080



78.4002, 79.6382, 63.4641



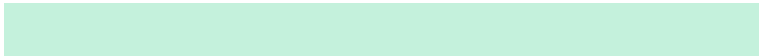
69.0914, 79.6382, 106.4797

Square

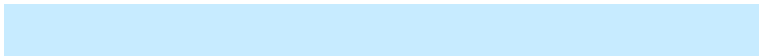
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4002, 79.6382, 63.4641



67.0685, 79.6382, 79.2753



73.0503, 79.6382, 115.0407



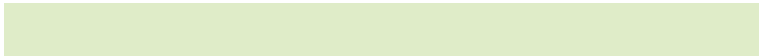
85.0285, 79.6382, 94.6008

Rectangle

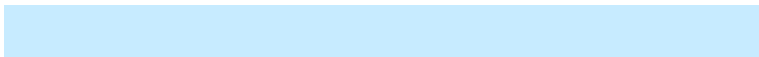
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4002, 79.6382, 63.4641



70.6538, 79.6382, 66.1935



73.0503, 79.6382, 115.0407



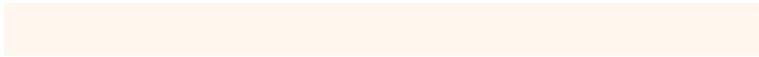
80.9678, 79.6382, 111.0860

Sweetspot

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



78.4020, 79.6417, 63.4658



89.5731, 93.4334, 93.5492



74.6394, 66.2043, 80.4377



19.0751, 19.8810, 19.7543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.4020, 79.6417, 63.4658



75.4198, 75.8439, 55.7922



86.9640, 96.7656, 66.3197



18.7731, 19.5143, 18.9215



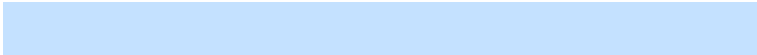
25.8478, 19.7069, 2.4415



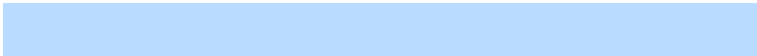
2.6261, 2.1375, 0.2742

Inverse Universe

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



67.7394, 72.8040, 105.0901



62.9718, 67.8617, 104.3874



60.5557, 58.4366, 102.6955



17.7401, 18.8519, 22.9537



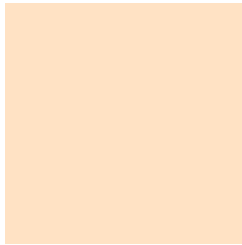
13.4331, 11.7757, 50.9995



1.4169, 1.3646, 5.0020

Previews

White Background



This preview shows how the XYZ color 78.4002, 79.6382, 63.4641 looks on a white background.

Color Contrast Check

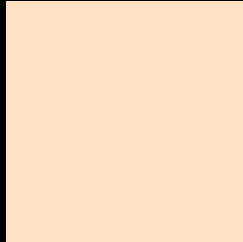
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.4002, 79.6382, 63.4641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

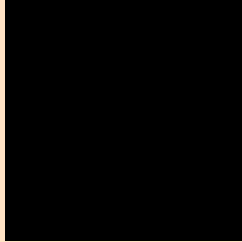
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4002, 79.6382, 63.4641

Background



This preview shows how black text looks on a background with the XYZ color 78.4002, 79.6382, 63.4641.



This preview shows how white text looks on a background with the XYZ color 78.4002, 79.6382,

63.4641.

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

78.4002, 79.6382, 63.4641

Protanopia

75.1078, 79.5481, 64.8218

Deuteranopia

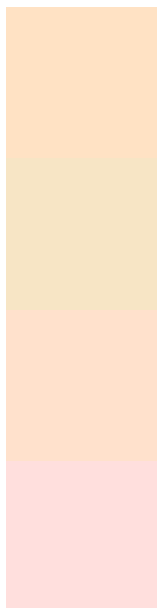
79.5504, 79.6645, 70.8585



Tritanopia

82.5016, 79.5587, 90.3649

Trichromacy



Original Color

78.4002, 79.6382, 63.4641

Protanomaly

76.4551, 79.8440, 64.2051

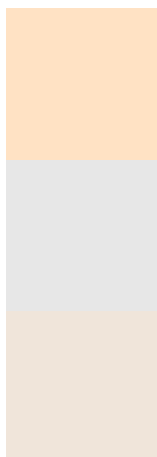
Deuteranomaly

79.0643, 79.4701, 68.2989

Tritanomaly

80.6788, 79.2558, 79.4523

Monochromacy



Original Color

78.4002, 79.6382, 63.4641

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.6094, 79.6258, 77.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4002, 79.6382, 63.4641 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, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 196)  
}
```

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, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 196) }
```

Border

The CSS property to change the border of an element to XYZ 78.4002, 79.6382, 63.4641 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, 226, 196) }
```


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

```
.border{ border-color:rgb(255, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4002, 79.6382, 63.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 196) }
```

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

```
.background{ background-color: rgb(255,  
226, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor