

Converting Colors

XYZ(78.6717, 84.3773, 63.7711)

Have a look what the booklet for
XYZ(78.6717, 84.3773, 63.7711)
contains.

XYZ(78.8459, 84.4650, 63.7775)	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(78.8459, 84.4650,
63.7775)**

Conversions

Conversions Part 1

Format	Color
Hex	F8EDC3
RGB	248, 237, 195
RGB Percent	97%, 93%, 76%
CMY	0.0274, 0.0706, 0.2353
CMYK	0.00, 0.04, 0.21, 0.03
HSL	48°, 79%, 87%
HSV	48°, 21%, 97%
XYZ	78.8459, 84.4650, 63.7775
YIQ	235.5010, 20.0380, -10.7300

Conversions

Conversions Part 2

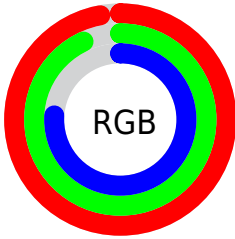
Format	Color
R _Y B	209, 248, 195
Decimal	16313795
CIE Lab	93.65, -2.83, 21.72
CIE LCh	94, 21.900, 97.436
Yxy	84.4650, 0.3472, 0.3719
Android (android.graphics.Color)	4294503875 (0xFFF8EDC3)
YUV	235.5010, -19.9670, 10.9616
Hunter-Lab	91.9048, -7.6969, 23.1890

Details

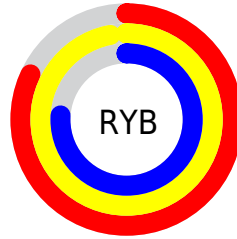
The XYZ color **78.8459, 84.4650, 63.7775** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.5199, 62.5204, 97.6325**, and the grayscale version is **79.4863, 83.6257, 91.0684**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **42.8174, 46.0472, 31.8306** is the 20% darker color. If you saturate the color by 10%, you get **74.8041, 80.5019, 49.7262**, and if you desaturate by 10%, it is **83.4007, 88.7075, 80.2993**.

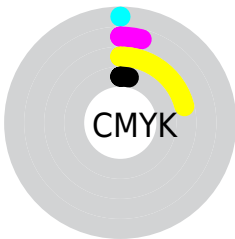
Distribution



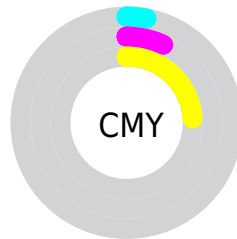
- Red (97%)
- Green (93%)
- Blue (76%)



- Red (82%)
- Yellow (97%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (3%)





- Cyan (3%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8459, 84.4650, 63.7775 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 78.8459, 84.4650, 63.7775 by changing the saturation by 10% instead.


 78.8459, 84.4650,
63.7775

 78.8459, 84.4650,
63.7775


479.8309,
509.8561, 456.5711

 59.0743, 63.3994,
46.0255


130.7010,
139.6255, 111.8868

 42.9195, 46.1644,
31.9171


163.5152,
174.4891, 143.0812

 30.0162, 32.3756,
21.0339


201.4076,
214.7209, 179.5934

 19.9990, 21.6485,
12.9573

244.7436,
260.7053, 221.8420

 12.5026, 13.5989,
7.2688

293.8886,
312.8266, 270.2455

 7.1616, 7.8422,
3.5498

349.2079,

 3.6106, 3.9941,

371.4692, 325.2225

1.3817

411.0669,
437.0176, 387.1915

■ 1.4843, 1.6703,
0.1274

■ 0.3151, 0.4043,
0.0000

■ 78.8459, 84.4650,
63.7775

■ 78.8459, 84.4650,
63.7775

■ 74.8041, 80.5019,
49.7262

■ 83.4007, 88.7075,
80.2993

■ 71.2452, 76.7968,
38.0191

■ 88.4835, 93.2272,
99.3991

■ 68.1463, 73.3430,
28.5263

■ 91.7103, 97.0741,
108.5113

■ 65.4794, 70.1287,
21.1036

■ 92.5216, 98.6965,
108.7817

■ 63.2137, 67.1409,
15.5893

■ 61.3134, 64.3648,
11.7978

■ 59.7360, 61.7827,
9.5060

■ 58.5768, 59.6870,
8.4334

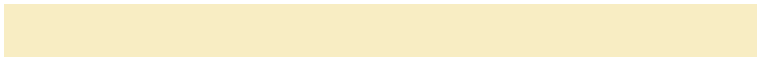
Harmonies

Analogous

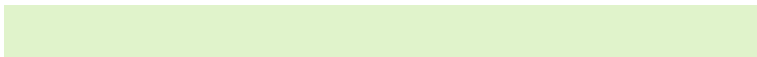
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6402, 84.4650, 65.4990



78.8459, 84.4650, 63.7775



73.6872, 84.4650, 68.8532

Triad

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



78.8459, 84.4650, 63.7775



71.7424, 84.4650, 112.7957



91.0340, 84.4650, 104.7850

Complementary

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



78.8459, 84.4650, 63.7775



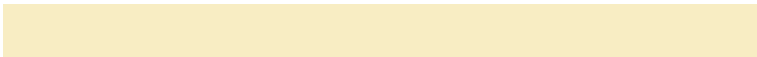
61.5199, 62.5204, 97.6325

Split Complementary

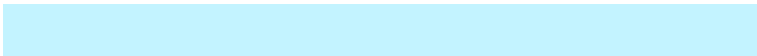
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2579, 84.4650, 119.7513



78.8459, 84.4650, 63.7775



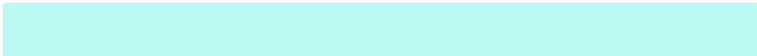
76.0750, 84.4650, 124.7512

Square

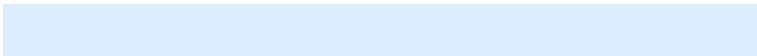
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8459, 84.4650, 63.7775



69.7164, 84.4650, 96.1664



81.7343, 84.4650, 127.4389



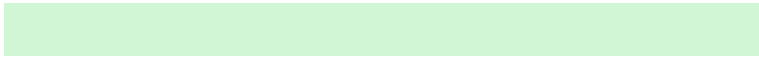
91.8634, 84.4650, 87.8937

Rectangle

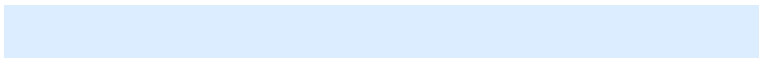
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8459, 84.4650, 63.7775



71.2388, 84.4650, 75.8159



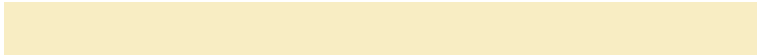
81.7343, 84.4650, 127.4389



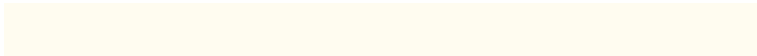
90.0586, 84.4650, 110.2653

Sweetspot

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



78.8481, 84.4688, 63.7793



91.6795, 97.0451, 96.1042



69.4267, 63.4675, 67.2932



19.5473, 20.7042, 20.2853



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.



78.8481, 84.4688, 63.7793



81.9211, 87.9778, 60.6373



77.0172, 88.3963, 64.6339



18.4038, 19.5434, 18.2647



31.7475, 32.4516, 4.5905



3.0145, 3.1539, 0.4499

Inverse Universe

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



61.5199, 62.5204, 97.6325



60.1890, 60.4547, 103.1044



63.0424, 59.5127, 96.9717



16.5747, 17.2262, 21.8367



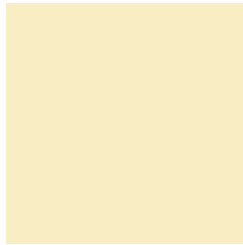
9.8830, 5.1217, 48.4412



0.9878, 0.6192, 4.5106

Previews

White Background



This preview shows how the XYZ color 78.8459, 84.4650, 63.7775 looks on a white background.

Color Contrast Check

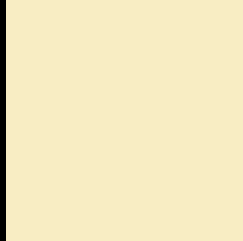
Large Text (above 18pt) WCAG AA × Fail

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 78.8459, 84.4650, 63.7775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

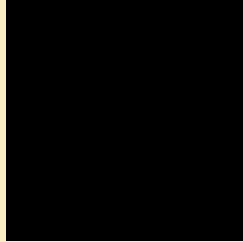
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8459, 84.4650, 63.7775

Background



This preview shows how black text looks on a background with the XYZ color 78.8459, 84.4650, 63.7775.



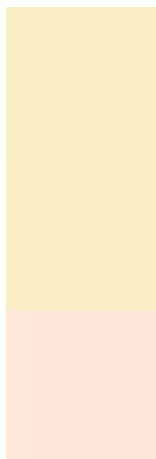
This preview shows how white text looks on a background with the XYZ color 78.8459, 84.4650,

63.7775.

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

78.8459, 84.4650, 63.7775

Protanopia

79.2701, 84.2550, 63.7146

Deuteranopia

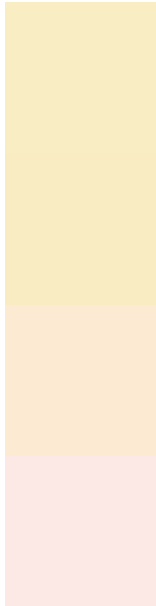
83.1651, 84.6523, 78.9741



Tritanopia

86.4801, 84.6309, 100.5843

Trichromacy



Original Color

78.8459, 84.4650, 63.7775

Protanomaly

78.9127, 84.0708, 63.6979

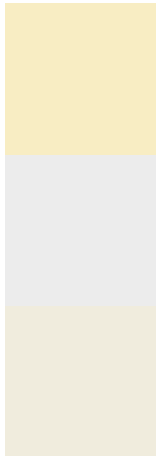
Deuteranomaly

81.2006, 84.1942, 72.9441

Tritanomaly

83.4267, 84.6304, 86.0670

Monochromacy



Original Color

78.8459, 84.4650, 63.7775

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9818, 83.7366, 80.4066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8459, 84.4650, 63.7775 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(248, 237, 195)` looks like.

```
.text, #text, p{  
    color:rgb(248, 237, 195)  
}
```

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(248, 237, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 237, 195) }
```

Border

The CSS property to change the border of an element to XYZ 78.8459, 84.4650, 63.7775 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(248, 237, 195) }
```


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

```
.border{ border-color:rgb(248, 237, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 237, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 237, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 237, 195);  
box-shadow:4px 4px 4px 4px rgb(248, 237,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8459, 84.4650, 63.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 237, 195) }
```

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

```
.background{ background-color: rgb(248,  
237, 195) }
```

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