

Converting Colors

XYZ(76.6147, 78.9819, 77.1941)

Have a look what the booklet for
XYZ(76.6147, 78.9819, 77.1941)
contains.

XYZ(76.7419, 78.8774, 77.5098)	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(76.7419, 78.8774,
77.5098)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E3DA
RGB	242, 227, 218
RGB Percent	95%, 89%, 85%
CMY	0.0510, 0.1098, 0.1451
CMYK	0.00, 0.06, 0.10, 0.05
HSL	23°, 48%, 90%
HSV	23°, 10%, 95%
XYZ	76.7419, 78.8774, 77.5098
YIQ	230.4590, 11.8290, 0.3810

Conversions

Conversions Part 2

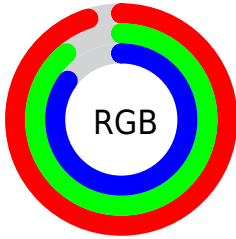
Format	Color
R_{YB}	242, 232, 218
Decimal	15918042
CIE Lab	91.18, 3.61, 6.21
CIE LCh	91, 7.185, 59.840
Yxy	78.8774, 0.3292, 0.3383
Android (android.graphics.Color)	4294108122 (0xFFFF2E3DA)
YUV	230.4590, -6.1423, 10.1215
Hunter-Lab	88.8129, -1.1836, 10.4249

Details

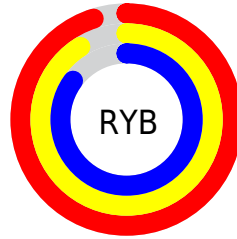
The XYZ color **76.7419, 78.8774, 77.5098** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0791, 79.5925, 95.4636**, and the grayscale version is **75.5936, 79.5304, 86.6086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6131, 42.5885, 40.6775** is the 20% darker color. If you saturate the color by 10%, you get **69.8485, 69.7933, 60.7122**, and if you desaturate by 10%, it is **84.4654, 88.8799, 96.8671**.

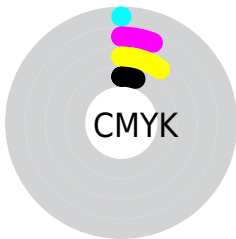
Distribution



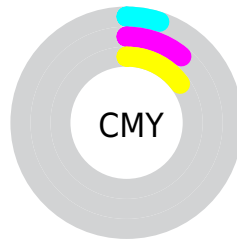
- Red (95%)
- Green (89%)
- Blue (85%)



- Red (95%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (5%)





- Cyan (5%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.7419, 78.8774, 77.5098 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 76.7419, 78.8774, 77.5098 by changing the saturation by 10% instead.


 76.7419, 78.8774,
77.5098

 76.7419, 78.8774,
77.5098


472.7890,
491.1415, 505.9842

 57.3403, 58.7950,
57.1573


127.7499,
131.7863, 131.6384

 41.5197, 42.4481,
40.7214


160.0869,
165.3815, 166.2517

 28.9148, 29.4523,
27.7834


197.4664,
204.2498, 206.4556

 19.1604, 19.4233,
17.9248

240.2538,
248.7756, 252.6687

 11.8909, 11.9765,
10.7271

288.8144,
299.3433, 305.3096

 6.7411, 6.7277,
5.7718

343.5136,

 3.3456, 3.2924,

356.3373, 364.7968

2.6403

404.7167,
420.1418, 431.5488

■ 1.3391, 1.2862,
0.9131

■ 0.2122, 0.1305,
0.0000

■ 76.7419, 78.8774,
77.5098

■ 76.7419, 78.8774,
77.5098

■ 69.8485, 69.7933,
60.7122

■ 84.4654, 88.8799,
96.8671

■ 63.7492, 61.5905,
46.3611

■ 90.4283, 97.6174,
108.6837

■ 58.4154, 54.2446,
34.3421

■ 53.8135, 47.7262,
24.5297

■ 49.9077, 42.0039,
16.7867

■ 46.6584, 37.0440,
10.9599

■ 44.0214, 32.8101,
6.8746

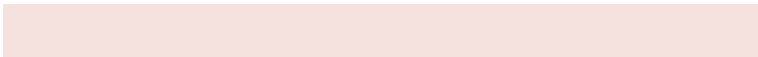
■ 41.9457, 29.2618,
4.3235

■ 40.3538, 26.3467,
2.9643

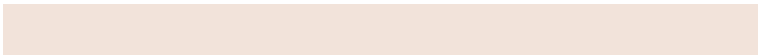
Harmonies

Analogous

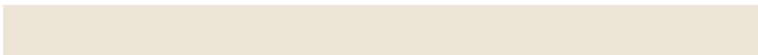
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0461, 78.8774, 80.9949



76.7419, 78.8774, 77.5098



74.9804, 78.8774, 76.2501

Triad

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



76.7419, 78.8774, 77.5098



71.5266, 78.8774, 85.8561



76.7247, 78.8774, 94.8707

Complementary

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



76.7419, 78.8774, 77.5098



74.0791, 79.5925, 95.4636

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.



74.9608, 78.8774, 96.2971



76.7419, 78.8774, 77.5098



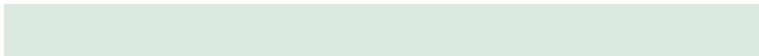
71.9770, 78.8774, 90.9662

Square

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



76.7419, 78.8774, 77.5098



71.9865, 78.8774, 80.9483



73.2268, 78.8774, 94.8408



78.0361, 78.8774, 91.0165

Rectangle

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



76.7419, 78.8774, 77.5098



73.7896, 78.8774, 76.8007



73.2268, 78.8774, 94.8408



76.1641, 78.8774, 95.6568

Sweetspot

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



76.7441, 78.8809, 77.5115



92.3367, 96.5052, 102.0398



76.4268, 74.9158, 87.6736



19.6118, 20.4596, 21.4580



0.0000, 0.0000, 0.0000



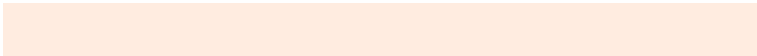
20.3446, 21.4041, 23.3091

Same Dimension

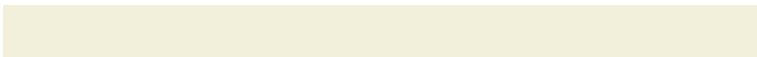
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7441, 78.8809, 77.5115



84.7100, 86.5858, 83.0538



80.0816, 85.5560, 78.6240



16.2587, 16.7305, 16.5221



21.7925, 14.3831, 1.6276



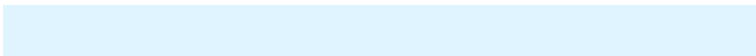
1.9055, 1.3817, 0.1663

Inverse Universe

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



74.0791, 79.5925, 95.4636



81.1208, 87.5437, 107.2298



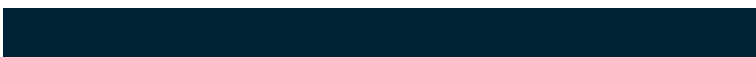
70.8508, 73.1359, 94.3875



15.7201, 16.8743, 20.1501



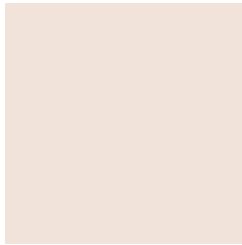
14.7081, 15.6405, 47.3716



1.3188, 1.4916, 3.9726

Previews

White Background



This preview shows how the XYZ color 76.7419, 78.8774, 77.5098 looks on a white background.

Color Contrast Check

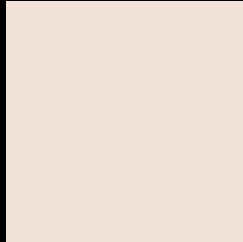
Large Text (above 18pt) WCAG AA × Fail

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 76.7419, 78.8774, 77.5098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

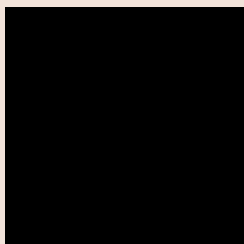
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

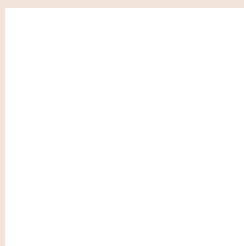
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7419, 78.8774, 77.5098

Background



This preview shows how black text looks on a background with the XYZ color 76.7419, 78.8774, 77.5098.

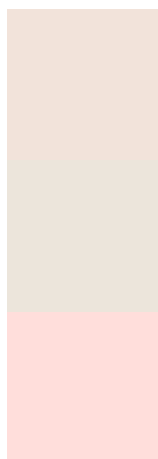


This preview shows how white text looks on a background with the XYZ color 76.7419, 78.8774,

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

76.7419, 78.8774, 77.5098

Protanopia

75.3976, 78.9860, 78.2898

Deuteranopia

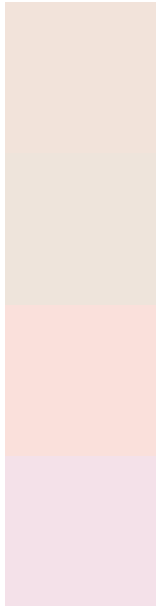
80.1475, 78.6170, 77.9682



Tritanopia

80.1890, 79.0747, 94.2556

Trichromacy



Original Color

76.7419, 78.8774, 77.5098

Protanomaly

75.7895, 78.7784, 78.2291

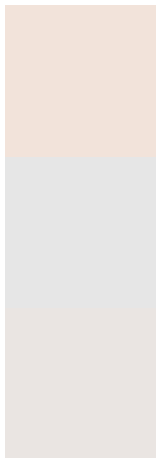
Deuteranomaly

78.8662, 78.7498, 78.0614

Tritanomaly

78.9414, 78.9667, 88.1722

Monochromacy



Original Color

76.7419, 78.8774, 77.5098

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.6785, 79.0220, 83.2156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7419, 78.8774, 77.5098 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(242, 227, 218) looks like.

```
.text, #text, p{  
    color:rgb(242, 227, 218)  
}
```

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(242, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 218) }
```

Border

The CSS property to change the border of an element to XYZ 76.7419, 78.8774, 77.5098 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(242, 227, 218) }
```


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

```
.border{ border-color:rgb(242, 227, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(242, 227,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7419, 78.8774, 77.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 218) }
```

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

```
.background{ background-color: rgb(242,  
227, 218) }
```

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