

# Converting Colors

XYZ(78.9951, 83.1051, 76.4372)

Have a look what the booklet for  
XYZ(78.9951, 83.1051, 76.4372)  
contains.

<b>XYZ(78.9968, 82.9850, 76.1441)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(78.9968, 82.9850,  
76.1441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4EAD7
RGB	244, 234, 215
RGB Percent	96%, 92%, 84%
CMY	0.0431, 0.0823, 0.1569
CMYK	0.00, 0.04, 0.12, 0.04
HSL	39°, 57%, 90%
HSV	39°, 12%, 96%
XYZ	78.9968, 82.9850, 76.1441
YIQ	234.8240, 12.0590, -3.7890

# Conversions

## Conversions Part 2

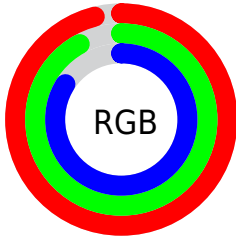
Format	Color
RYB	230, 244, 215
Decimal	16050903
CIELab	93.01, 0.24, 10.42
CIElCh	93, 10.424, 88.669
Yxy	82.9850, 0.3317, 0.3485
Android (android.graphics.Color)	4294240983 (0xFFF4EAD7)
YUV	234.8240, -9.7732, 8.0474
Hunter-Lab	91.0961, -4.6264, 14.2088

# Details

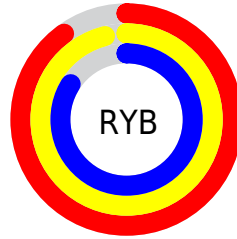
The XYZ color **78.9968, 82.9850, 76.1441** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.2785, 74.8279, 96.2753**, and the grayscale version is **78.8992, 83.0081, 90.3959**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0046, 45.0702, 39.6905** is the 20% darker color. If you saturate the color by 10%, you get **73.7554, 77.1505, 60.0649**, and if you desaturate by 10%, it is **84.8241, 89.2412, 94.7275**.

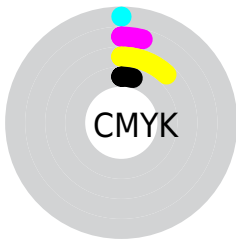
# Distribution



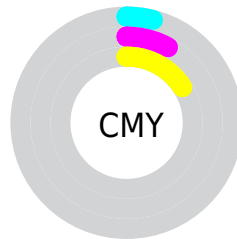
- Red (96%)
- Green (92%)
- Blue (84%)



- Red (90%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (4%)



- Cyan (4%)
- Magenta (8%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9968, 82.9850, 76.1441 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 78.9968, 82.9850, 76.1441 by changing the saturation by 10% instead.



78.9968, 82.9850,  
76.1441

78.9968, 82.9850,  
76.1441

480.3337,  
504.9365, 501.2008

59.1988, 62.1778,  
56.0433

130.9123,  
137.5545, 129.6925

43.0202, 45.1764,  
39.8334

163.7605,  
172.0855, 163.9773

30.0955, 31.5964,  
27.0959

201.6895,  
211.9599, 203.8270

20.0595, 21.0534,  
17.4122

245.0647,  
257.5621, 249.6604

12.5468, 13.1630,  
10.3637

294.2513,  
309.2764, 301.8960

7.1921, 7.5409,  
5.5320

349.6148,

3.6299, 3.8026,

367.4874, 360.9522

2.4985

411.5205,  
432.5793, 427.2476

■ 1.4950, 1.5638,  
0.8394

■ 0.3224, 0.3330,  
0.0000

■ 78.9968, 82.9850,  
76.1441

■ 78.9968, 82.9850,  
76.1441

■ 73.7554, 77.1505,  
60.0649

■ 84.8241, 89.2412,  
94.7275

■ 69.0708, 71.7154,  
46.3754

■ 89.8014, 95.3389,  
108.2770

■ 64.9217, 66.6713,  
34.9602

■ 91.1186, 97.9733,  
108.7160

■ 61.2823, 62.0053,  
25.6919

■ 58.1244, 57.7035,  
18.4306

■ 55.4167, 53.7506,  
13.0196

■ 53.1234, 50.1295,  
9.2788

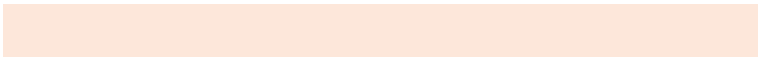
■ 51.2016, 46.8202,  
6.9911

■ 49.8623, 44.3406,  
5.9306

# Harmonies

## Analogous

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



81.6361, 82.9850, 78.1133



78.9968, 82.9850, 76.1441



76.3830, 82.9850, 77.7966

# Triad

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



78.9968, 82.9850, 76.1441



74.3578, 82.9850, 97.7629



83.4444, 82.9850, 98.4020

# Complementary

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



78.9968, 82.9850, 76.1441



71.2785, 74.8279, 96.2753

# Split Complementary

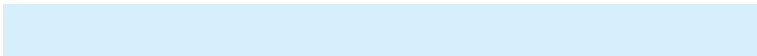
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4201, 82.9850, 104.2004



78.9968, 82.9850, 76.1441



76.1764, 82.9850, 103.8167

# Square

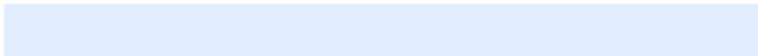
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9968, 82.9850, 76.1441



73.7421, 82.9850, 90.0077



78.7528, 82.9850, 106.2359



84.2402, 82.9850, 90.7064

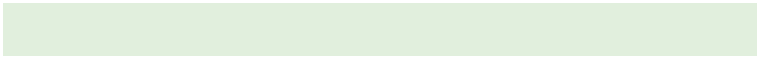


# Rectangle

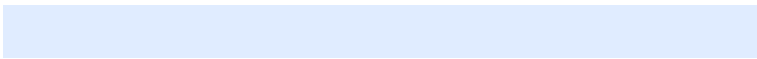
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9968, 82.9850, 76.1441



74.9981, 82.9850, 80.7868



78.7528, 82.9850, 106.2359



82.8827, 82.9850, 100.6537

# Sweetspot

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



78.9991, 82.9887, 76.1459



92.3396, 97.1377, 100.1088



75.2208, 73.2796, 81.5224



19.6579, 20.6781, 21.0846



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.



78.9991, 82.9887, 76.1459



86.0252, 90.3092, 80.1225



80.4339, 88.0727, 77.0516



17.4058, 18.2957, 17.4116



27.2444, 24.3744, 3.2688



2.4901, 2.3334, 0.3191



# Inverse Universe

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



71.2785, 74.8279, 96.2753



76.0992, 79.8176, 106.0032



69.9495, 70.2482, 95.4613



16.0482, 16.8606, 20.9512



10.7213, 7.2365, 47.3697

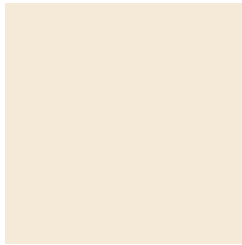


1.0343, 0.8201, 4.1940



# Previews

## White Background



This preview shows how the XYZ color 78.9968, 82.9850, 76.1441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

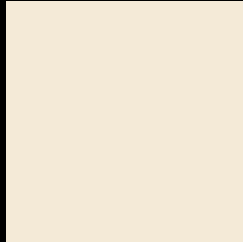
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9968, 82.9850, 76.1441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

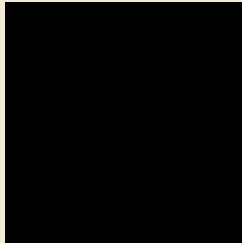
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.9968, 82.9850, 76.1441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9968, 82.9850, 76.1441.



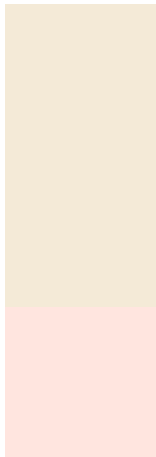
This preview shows how white text looks on a background with the XYZ color 78.9968, 82.9850,



# 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

78.9968, 82.9850, 76.1441

### Protanopia

78.9968, 82.9850, 76.1441

### Deuteranopia

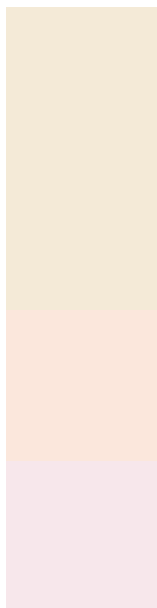
82.5786, 82.6263, 81.4082



## Tritanopia

83.5192, 82.7105, 99.5585

# Trichromacy



## Original Color

78.9968, 82.9850, 76.1441

## Protanomaly

78.9968, 82.9850, 76.1441

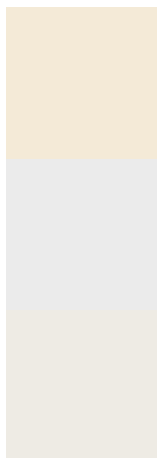
## Deuteranomaly

81.2778, 82.8284, 79.4138

## Tritanomaly

81.9291, 82.9241, 90.2851

# Monochromacy



## Original Color

78.9968, 82.9850, 76.1441

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.9718, 83.1952, 85.2948

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9968, 82.9850, 76.1441 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(244, 234, 215) looks like.

```
.text, #text, p{  
    color:rgb(244, 234, 215)  
}
```

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(244, 234, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 234, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9968, 82.9850, 76.1441 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(244, 234, 215) }
```



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

```
.border{ border-color:rgb(244, 234, 215) }
```

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

Here you see how a box with a 4 pixel rgb(244, 234, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 234, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 234, 215);  
box-shadow:4px 4px 4px 4px rgb(244, 234,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9968, 82.9850, 76.1441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 234, 215) }
```

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

```
.background{ background-color: rgb(244,  
234, 215) }
```

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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