

# Converting Colors

XYZ(79.0290, 81.2642, 72.7279)

Have a look what the booklet for  
XYZ(79.0290, 81.2642, 72.7279)  
contains.

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# Color

**XYZ(78.9966, 81.3865,  
72.5184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9E6D2
RGB	249, 230, 210
RGB Percent	98%, 90%, 82%
CMY	0.0235, 0.0980, 0.1765
CMYK	0.00, 0.08, 0.16, 0.02
HSL	31°, 76%, 90%
HSV	31°, 16%, 98%
XYZ	78.9966, 81.3865, 72.5184
YIQ	233.4010, 17.7440, -2.1920

# Conversions

## Conversions Part 2

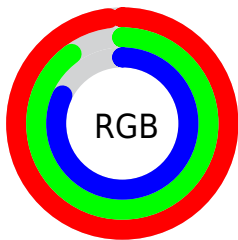
Format	Color
R <sub>Y</sub> B	247, 249, 210
Decimal	16377554
CIE Lab	92.30, 3.28, 12.07
CIE LCh	92, 12.508, 74.805
Yxy	81.3865, 0.3392, 0.3494
Android (android.graphics.Color)	4294567634 (0xFFFF9E6D2)
YUV	233.4010, -11.5367, 13.6803
Hunter-Lab	90.2145, -1.5712, 15.4902

# Details

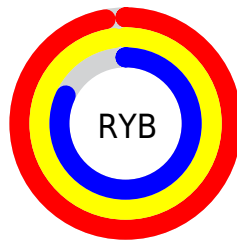
The XYZ color **78.9966, 81.3865, 72.5184** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.6962, 76.5782, 100.6255**, and the grayscale version is **77.8310, 81.8842, 89.1719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0690, 44.2667, 37.7268** is the 20% darker color. If you saturate the color by 10%, you get **72.8748, 73.7267, 56.3450**, and if you desaturate by 10%, it is **85.8404, 89.7163, 91.3157**.

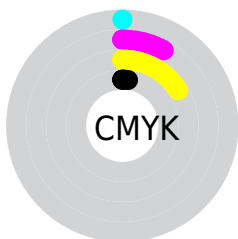
# Distribution



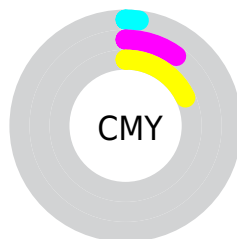
- Red (98%)
- Green (90%)
- Blue (82%)



- Red (97%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (8%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (10%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9966, 81.3865, 72.5184 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 78.9966, 81.3865, 72.5184 by changing the saturation by 10% instead.




 78.9966, 81.3865,  
72.5184

 78.9966, 81.3865,  
72.5184


480.3330,  
499.5932, 488.3699

 59.1986, 60.8600,  
53.0928


130.9120,  
135.3133, 124.5078

 43.0200, 44.1122,  
37.4887


163.7602,  
169.4824, 157.9088

 30.0954, 30.7587,  
25.2873


201.6891,  
208.9678, 196.8053

 20.0595, 20.4152,  
16.0703

245.0642,  
254.1539, 241.6159

 12.5468, 12.6972,  
9.4190

294.2508,  
305.4251, 292.7591

 7.1920, 7.2204,  
4.9149

349.6142,

 3.6299, 3.6003,

363.1658, 350.6535

2.1396

411.5199,  
427.7604, 415.7176

■ 1.4950, 1.4526,  
0.6392

■ 0.3224, 0.2550,  
0.0000

■ 78.9966, 81.3865,  
72.5184

■ 78.9966, 81.3865,  
72.5184

■ 72.8748, 73.7267,  
56.3450

■ 85.8404, 89.7163,  
91.3157

■ 67.4413, 66.7076,  
42.6716

■ 92.6421, 98.4097,  
108.7199

■ 62.6696, 60.3135,  
31.3718

■ 92.8772, 98.8799,  
108.7983

■ 58.5283, 54.5238,  
22.3061

■ 54.9833, 49.3165,  
15.3202

■ 51.9963, 44.6676,  
10.2400

■ 49.5236, 40.5504,  
6.8621

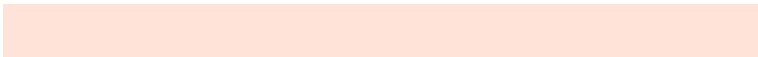
■ 47.5118, 36.9342,  
4.9355

■ 46.7503, 35.5061,  
4.3893

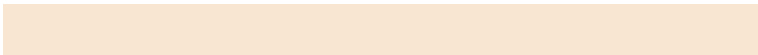
# Harmonies

## Analogous

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



81.8514, 81.3865, 76.6505



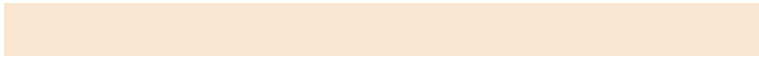
78.9966, 81.3865, 72.5184



75.7775, 81.3865, 72.4909

# Triad

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



78.9966, 81.3865, 72.5184



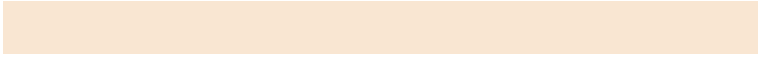
71.4985, 81.3865, 93.2446



81.8203, 81.3865, 101.8603

# Complementary

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



78.9966, 81.3865, 72.5184



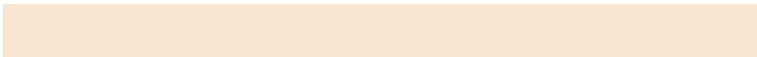
71.6962, 76.5782, 100.6255

# 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.



78.9551, 81.3865, 106.9709



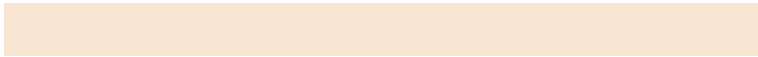
78.9966, 81.3865, 72.5184



73.0272, 81.3865, 101.7663

# Square

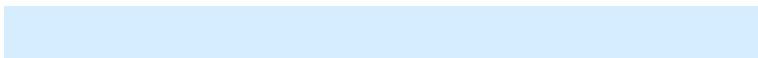
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9966, 81.3865, 72.5184



71.5089, 81.3865, 84.0302



75.7371, 81.3865, 106.9354

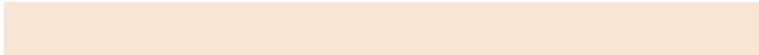


83.5123, 81.3865, 93.3658

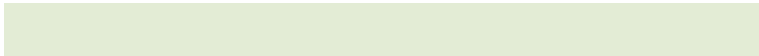


# Rectangle

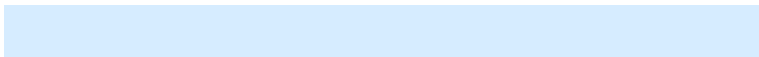
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9966, 81.3865, 72.5184



73.8604, 81.3865, 74.7841



75.7371, 81.3865, 106.9354



80.9590, 81.3865, 104.0564

# Sweetspot

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



78.9988, 81.3901, 72.5201



91.1154, 95.3075, 97.7953



76.3272, 71.9192, 84.3552



19.3875, 20.2617, 20.6107



0.0000, 0.0000, 0.0000

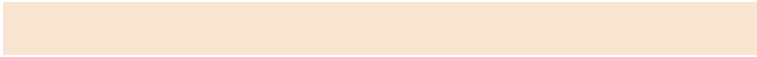


20.3446, 21.4041, 23.3091

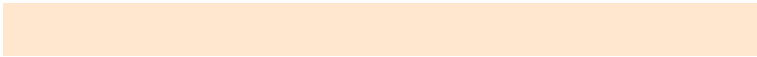


# Same Dimension

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



78.9988, 81.3901, 72.5201



81.1361, 83.1202, 70.5109



84.5762, 92.5450, 74.3793



17.9809, 18.6976, 18.1237



25.1674, 19.2915, 2.3972

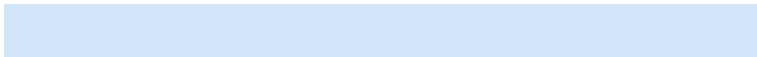


2.4371, 1.9990, 0.2574

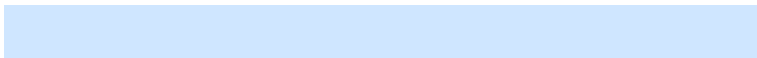


# Inverse Universe

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



71.6962, 76.5782, 100.6255



71.9946, 77.0967, 105.6944



66.7249, 66.6356, 98.9684



16.9809, 18.0387, 21.9721



12.9719, 11.2994, 49.4709

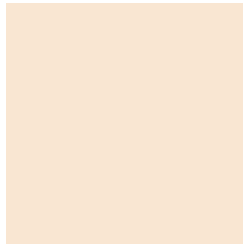


1.3071, 1.2579, 4.6171



# Previews

## White Background



This preview shows how the XYZ color 78.9966, 81.3865, 72.5184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

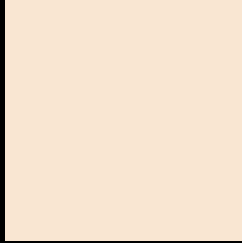
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9966, 81.3865, 72.5184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

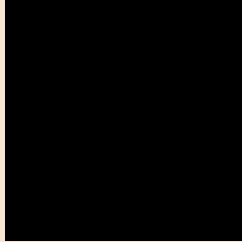
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.9966, 81.3865, 72.5184

## Background



This preview shows how black text looks on a background with the XYZ color 78.9966, 81.3865, 72.5184.



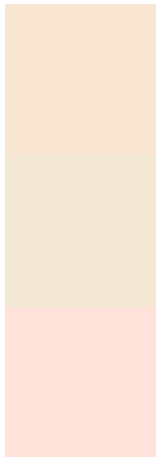
This preview shows how white text looks on a background with the XYZ color 78.9966, 81.3865,

72.5184.

# 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

78.9966, 81.3865, 72.5184

### Protanopia

77.2324, 81.2936, 73.2487

### Deuteranopia

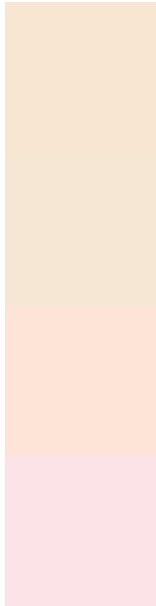
81.3640, 81.2601, 77.7261



## Tritanopia

83.6109, 81.2041, 96.0612

# Trichromacy



## Original Color

78.9966, 81.3865, 72.5184

## Protanomaly

77.9900, 81.2675, 73.2037

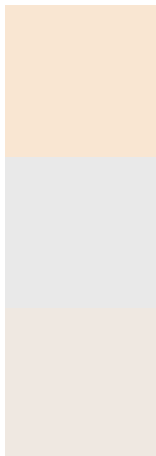
## Deuteranomaly

80.5172, 81.2757, 75.7341

## Tritanomaly

82.0378, 81.4031, 86.9898

# Monochromacy



## Original Color

78.9966, 81.3865, 72.5184

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.0438, 81.5002, 82.8519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9966, 81.3865, 72.5184 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, 230, 210)` looks like.

```
.text, #text, p{  
    color:rgb(249, 230, 210)  
}
```

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, 230, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 230, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9966, 81.3865, 72.5184 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, 230, 210) }
```



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

```
.border{ border-color:rgb(249, 230, 210) }
```

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

Here you see how a box with a 4 pixel rgb(249, 230, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 230, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 230, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 230,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9966, 81.3865, 72.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 230, 210) }
```

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

```
.background{ background-color: rgb(249,  
230, 210) }
```

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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