

# Converting Colors

XYZ(86.1817, 91.5777, 77.2291)

Have a look what the booklet for  
XYZ(86.1817, 91.5777, 77.2291)  
contains.

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# **Color**

**XYZ(86.1581, 91.4711,  
77.4046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5D7
RGB	255, 245, 215
RGB Percent	100%, 96%, 84%
CMY	0.0000, 0.0392, 0.1569
CMYK	0.00, 0.04, 0.16, 0.00
HSL	45°, 100%, 92%
HSV	45°, 16%, 100%
XYZ	86.1581, 91.4711, 77.4046
YIQ	244.5700, 15.5900, -7.2100

# Conversions

## Conversions Part 2

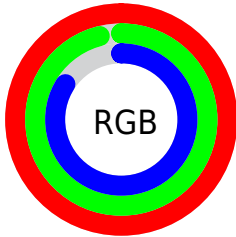
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 255, 215
Decimal	16774615
CIE Lab	96.60, -1.46, 15.65
CIE LCh	97, 15.715, 95.332
Yxy	91.4711, 0.3378, 0.3587
Android (android.graphics.Color)	4294964695 (0xFFFFF5D7)
YUV	244.5700, -14.5780, 9.1471
Hunter-Lab	95.6405, -6.5686, 18.9633

# Details

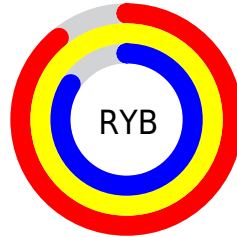
The XYZ color **86.1581, 91.4711, 77.4046** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.9989, 75.5154, 105.3362**, and the grayscale version is **86.5521, 91.0596, 99.1639**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8315, 50.9390, 40.5689** is the 20% darker color. If you saturate the color by 10%, you get **81.2396, 86.4755, 60.8399**, and if you desaturate by 10%, it is **91.6581, 96.8116, 96.6851**.

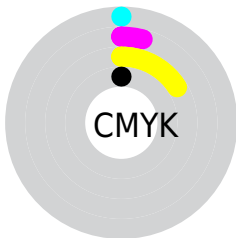
# Distribution



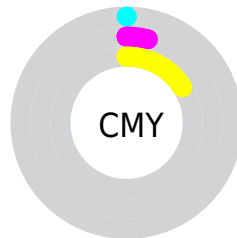
- Red (100%)
- Green (96%)
- Blue (84%)



- Red (89%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (16%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1581, 91.4711, 77.4046 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 86.1581, 91.4711, 77.4046 by changing the saturation by 10% instead.




 86.1581, 91.4711,  
77.4046

 86.1581, 91.4711,  
77.4046


503.8785,  
532.8047, 505.6167

 65.1244, 69.2014,  
57.0715


140.8958,  
149.3801, 131.4887

 47.8271, 50.8758,  
40.6529


175.3305,  
185.7883, 166.0767

 33.9006, 36.1097,  
27.7303


214.9630,  
227.6780, 206.2534

 22.9798, 24.5190,  
17.8852

260.1585,  
275.4338, 252.4374

 14.6992, 15.7190,  
10.6990

311.2824,  
329.4399, 305.0472

 8.6935, 9.3256,  
5.7532

368.7002,

 4.5973, 4.9541,

390.0809, 364.5013

2.6292

432.7771,  
457.7410, 431.2183

■ 2.0453, 2.2204,  
0.9075

■ 0.6592, 0.7311,  
0.0000

■ 86.1581, 91.4711,  
77.4046

■ 86.1581, 91.4711,  
77.4046

■ 81.2396, 86.4755,  
60.8399

■ 91.6581, 96.8116,  
96.6851

■ 76.8719, 81.8022,  
46.8607

95.0500, 100.0000,  
108.9000

■ 73.0310, 77.4438,  
35.3347

■ 69.6884, 73.3877,  
26.1156

■ 66.8129, 69.6203,  
19.0413

■ 64.3688, 66.1263,  
13.9287

■ 62.3149, 62.8880,  
10.5638

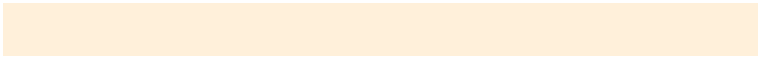
■ 60.6002, 59.8838,  
8.6814

■ 59.9335, 58.6470,  
8.1612

# Harmonies

## Analogous

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



90.5128, 91.4711, 79.1954



86.1581, 91.4711, 77.4046



82.1477, 91.4711, 81.1402

# Triad

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



86.1581, 91.4711, 77.4046



80.2316, 91.4711, 114.2481



94.8427, 91.4711, 110.0351

# Complementary

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



86.1581, 91.4711, 77.4046



72.9989, 75.5154, 105.3362

# Split Complementary

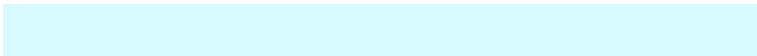
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9163, 91.4711, 120.6586



86.1581, 91.4711, 77.4046



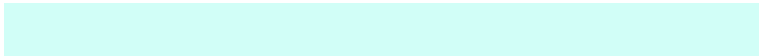
83.4635, 91.4711, 123.2309

# Square

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



86.1581, 91.4711, 77.4046



78.8005, 91.4711, 101.8610



87.7277, 91.4711, 125.6698



95.6227, 91.4711, 97.3657

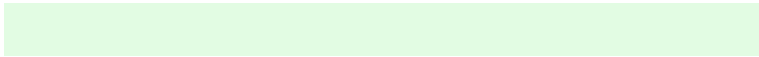


# Rectangle

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



86.1581, 91.4711, 77.4046



80.1783, 91.4711, 86.4633



87.7277, 91.4711, 125.6698



94.0726, 91.4711, 113.9965

# Sweetspot

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



86.1603, 91.4750, 77.4065



92.0567, 97.1901, 98.1091



79.1317, 75.2981, 81.5985



19.6165, 20.7197, 20.6870



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

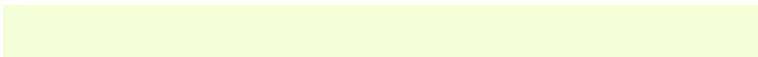
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1603, 91.4750, 77.4065



84.4666, 89.7811, 71.6211



85.6823, 95.8390, 78.2741



19.1543, 20.2768, 19.0486



31.4413, 30.8938, 4.3060



3.1478, 3.1810, 0.4481



# Inverse Universe

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



72.9989, 75.5154, 105.3362



68.8983, 70.9041, 104.6623



73.4027, 71.8296, 104.6035



17.3717, 18.1150, 22.8309



10.4797, 5.8689, 50.0151

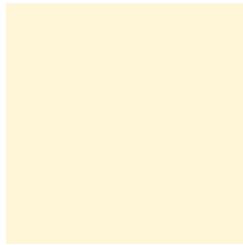


1.1025, 0.7358, 4.8972



# Previews

## White Background



This preview shows how the XYZ color 86.1581, 91.4711, 77.4046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

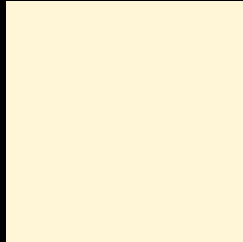
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1581, 91.4711, 77.4046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

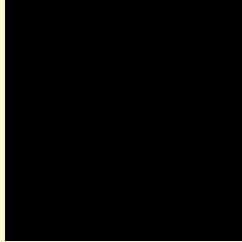
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.1581, 91.4711, 77.4046

## Background



This preview shows how black text looks on a background with the XYZ color 86.1581, 91.4711, 77.4046.



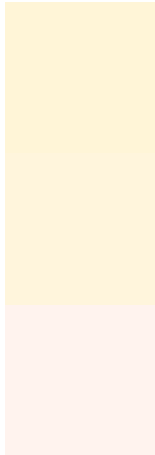
This preview shows how white text looks on a background with the XYZ color 86.1581, 91.4711,

77.4046.

# 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

86.1581, 91.4711, 77.4046

### Protanopia

86.8107, 91.7321, 80.8408

### Deuteranopia

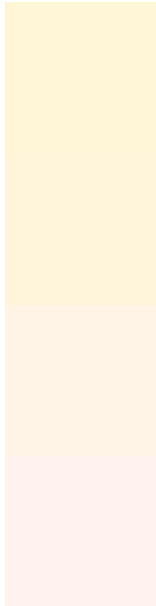
88.7232, 91.5342, 93.8806



## Tritanopia

90.4249, 91.2624, 105.7780

# Trichromacy



## Original Color

86.1581, 91.4711, 77.4046

## Protanomaly

86.5473, 91.6268, 79.4539

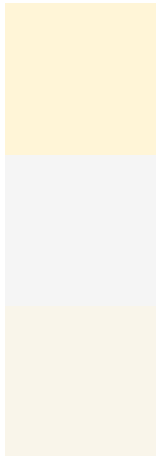
## Deuteranomaly

87.8736, 91.6745, 87.9264

## Tritanomaly

88.5721, 90.9963, 94.5571

# Monochromacy



## Original Color

86.1581, 91.4711, 77.4046

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.5706, 91.3851, 90.9182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1581, 91.4711, 77.4046 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, 245, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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(255, 245, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1581, 91.4711, 77.4046 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, 245, 215) }
```



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

```
.border{ border-color:rgb(255, 245, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1581, 91.4711, 77.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 215) }
```

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

```
.background{ background-color: rgb(255,  
245, 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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